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Catalogue of Contents

Doe Run Lead Company's

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DOE RUN, MISSOURI

JULY 1, 1912

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OF THE CONTENTS

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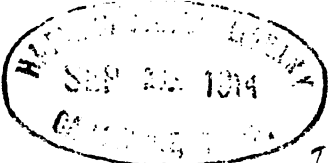
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187	" Oxy. chlorite, Mendipite, Mendip Hill, Eng.....	
244	" Oxide, Minium, Germany.....	
229	" Protoxide, Massicot, Wythe Co., Va.....	
550	" Phosphate and chloride Pyromorphite, Penn., Mass.....	
818	" Molybdate, Wulfenite, Nev., Mass., New Mex., South-hampton, Mass.....	
	" Silicate, furnace product, cuttings, Doe Kun, Mo.....	
47	" Selenide of lead, Clausthalite, Germany.....	
50	" Selenide of lead and mercury. Lehrbachite, Germany.....	
52	" Selenide of lead and copper. Zorgite, Harz, Germany.....	
149	" Sulph. antimonide of lead and silver. Polytelite, Saxony.....	
127	" " arsenide of lead. Dufrenoy'site, Switzerland.....	
128	" Sulphate of lead and bismuth. Cosalite, Sweden.....	
734	" Sulpho. carbonate. Leadhillite, Leadhills, Scot.....	
721	" Sulphate of lead. Anglesite, Penn., Mo., Mass.....	
737	" " Lanarkite, Leadhills, Scot.....	
734	" Sulpho. carbonate of lead. Susannite, Leadhills, Scot.....	
741	" Hydrous sulphate, lead and copper. Linarite, Nassau on Lahn.....	
739	" Sulphate of lead and copper. Caledonite, Leadhills, Scot.....	
680	" Hydrous sulph. phosph., iron and lead. Beudandite, Norhausen, Nassau.....	

46	Lead Telluride of lead. Altaite, Altai.....	
817	" Tungstate of lead. Stolzite, Zinnwald, Bohemia.....	
564	" Hyds. vanadate of lead and zinc. Descloizite, L. Valley, New Mexico.....	
552	" Chloro. vanadate of lead. Vanadinite, Arizona.....	
567	" Vanadate of lead and copper. Chilleite, Chili, S. A.....	
734	Leadhillite sulphate and carbonate of lead. Leadhills, Scot., Mo	
510	Lederite silicate of ca. and titanium, New York.....	
50	Lehrbachite selenide of lead and mercury, Germany.....	
313	Leelite, Pennsylvania.....	
509	Ledyite hydrous sil. of al. fe. mg. ca, Pennsylvania.....	
460	Lepidolite fluo-sil. of al. potassi and lithium, Maine.....	
462	Lepidomelane see Annite, Massachusetts.....	
781	Lettsomite hydrous sulph. copper and al., Moldowa, Bannat.....	
321	Leucite, Mt. Somma, Italy.....	
321	Leucite silicate of al. and potassium, Arkansas.....	
97	Leucopyrite arsenical pyrites, New York.....	
97	Lollingite.....	
H	Lignite coal, asphalt, Pennsylvania.....	
270	Limestone carb. of calcium, Missouri, etc.....	
259	Limonite hydrated sesqui. oxide, iron, Alabama, Michigan.....	
745	Linarite hydrous sulph. lead and copper, Nassau on Lahn.....	
79	Linnaeite sulphide of cobalt, Mine LaMotte, Mo.....	
644	Liskeardite hydrous arsenate of al, Cornwall, Eng.....	
492	Lithomarge hydrous silicate of al, Germany.....	
460	Lithia Mica see Lepidolite, Maine.....	
237	Lodestone magnetite, Ark., Mo., N. Y.....	
313	Loxoclase Orthoclase, New York.....	
694	Ludwigite, Morawitz, Bannat.....	
210	Lydian Stone, Texas.....	
398	Macie chialtolite, Massachusetts.....	
272	Magnesite carb. mg, Pennsylvania.....	
237	Magnetite Iron, Arkansas, Mo.....	
74	" Pyrites, Maine.....	
237	Magnetite sesqui. ox. and protox, iron, Michigan, N. Y.....	
288	Malachite hydrous carb. copper, Ger., Siberia, Ariz., N. M., Mo	
288	" Botryoidal, Arizona.....	
274	Mangan blende, sulphide, mn, Peru, S. A.	
408	" Epidote, silicate of al. fe. mn. ca, Italy.....	
243	Manganese black. Hausmannite, Thuringia.....	
269	" Bog, Missouri.....	
274	" Carbonate. Rhodochrosite, New Jersey.....	
254	" Binoxide, gray. Pyrolusite, Michigan.....	
269	" Hydrous silicate, mn. and barium. Psilomelane, N. C.	
555	" Phosphate, mn. and fe. Triplite, Maine.....	
335	" Silicate, mn. Rhodonite, N. J., Sweden.....	
258	Manganite hydrous sesqui oxide, Harz, Germany, Arizona.....	
270	Marble carb. of calcium, Italy, Vt., Mo., Ga., Tenn.....	
270	" Breccia, carrara, encrinal, Italy.....	
270	" Ruin, shell, verd. antique, Italy.....	
96	Marcassite sulphide of iron, Mo., Illinois, Pa.....	
464	Margarite hydrous silicate of al. and ca., Massachusetts.....	
458	Margarodite hydrous muscovite, Connecticut.....	
389	Marialite silicate of al. ca. and sodium, Naples, Italy.....	
481	Marmolite serpentine, New Jersey.....	
232	Martite sesqui. ox. iron Michigan, Missouri.....	
466	Masonite hydrous silicate of iron and al, Rhode Island.....	
229	Massicot protoxide of lead, Wythe Co., Va.....	
186	Matlockite oxy. chloride of lead, Cromford, England.....	
485	Meerschaum hydrous silicate of mg. Turkey.....	
386	Meloniite silicate of al. ca. na., Vesuvius, Italy.....	
230	Melaconite protoxide of copper, England, Arizona.....	

370	Melanite black garnet, New Jersey.....	
233	Menaccanite sesqui ox. iron, titanium, Connecticut.....	
187	Mendipte oxy. chloride of lead, Mendip Hill, England.....	
16	Mercury, Cal., Bohemia.....	
66	“ Cinnabar, sulphide of mercury, N. Almaden, Cal.....	
60	“ Selenide of mercury. Tlemannite, Harz, Germany.....	
455	Mesolite hydrous silicate of al. ca. sodium, Nova Scotia, Mo.....	
59	Metacinnabarite, Hungary.....	
25	Meteoric Iron, New Mexico.....	
25	Meteorite weighs 528 lbs. slab cut f. o. n, Missouri.....	
211	Melanophlogite with sulphur, Racalmuto, Sicily.....	
751	Melanterite hydrous sulph. iron, Pennsylvania.....	
270	Mexican onyx, aragonite, carb. ca., Mexico.....	
121	Miargyrite sulphate, antimonide, silver, Przibram, Bohemia.....	
458	Mica Muscovite. Si. of al. and potassium, N.C., Md., Penn., Me.....	
—	“ Schist, St. Johns, New Brunswick.....	
460	“ Lithia. See Lepidolite, Maine.....	
315	Microline silicate of al. and potassium, Amelia Co., Va., Pa.....	
70	Millerite sulphide of nickel, Mo., Penn., Iowa.....	
551	Mimetite arsenate and chloride of lead, Cumberland, England.....	
H	Mineral Coal, Pennsylvania.....	
357	“ Caoutchouc. Elaeolite, England.....	
H	“ Pitch, Cuba.....	
244	Minium oxide of lead, Germany.....	
98	Mispickel Arsenopyrite, Acton, Maine.....	
668	Mixite hydrous oxide, copper and bismuth, Utah.....	
210	Mocha Stone Moss Agate, Brazil.....	
818	Molybdate of Lead Wulfenite, Southampton, Mass., N. Mex.....	
34	Molybdenite sulphide of Molybdenum, Colorado, Canada.....	
219	Molybdate sesqui oxide of Molybdenum, Canada.....	
537	Monazite phos. of cerium lanthium, didium and thorium, Brazil, North Carolina.....	
560	Monetite hydrous phos. of ca. West Indies.....	
808	Montanite, tellurate, bismuth, Montana.....	
374	Monticellite silicate of calcium and mg, Arkansas.....	
315	Moonstone silicate, al. ca. and na, Perth, Canada.....	
423	Moresnetite hydrous silicate of zinc aluminum, Altenberg, Ger.....	
210	Moss Agate, Ceylon, Bombay.....	
516	Mosandrite silicate of titanium, cerium and calcium, Brevig, Norway.....	
338	Mountain Cork var. Amphibole, Canada.....	
338	“ Leather var. Amphibole, New York.....	
96	Mundic Pyrites, sulphide of iron, Missouri.....	
458	Muscovite silicate of al. and potassium, Maine, N. C.....	
672	Nadorite chloro. antimonide of lead, Algeria.....	
106	Nagyagite sulpho. telluride of lead and gold, Offenbanya, Hungary, Transylvania.....	
270	Nailhead Spar calcite, carb. ca, England, Dakota.....	
296	Natron hydrous carb. of sodium, Nevada.....	
453	Natrolite hydrous silicate of al. and sodium, Bergen Hills, N. J.....	
48	Naumannite selenide of silver, Guanajuato, Mexico.....	
257	Needle Iron Ore Gothite, Pikes Peak, Col.....	
277	Needle Spar Aragonite, floss ferri, Organ Mts., N. Mex.....	
453	“ Zeolite, Natrolite, New Jersey.....	
357	Nephelite silicate al., na, k, Italy.....	
338	Nephrite Jade, New Zealand.....	
71	Niccolite arsenide of nickel, Wolfach, Ger., N. J.....	
71	Nickel Antimonial, Kupfernickel, Harz, Germany.....	
602	“ Arsenate. Annabergite, Saxony.....	
493	“ Silicate. Genthite, North Carolina.....	
70	“ Sulphide. Millerite, Mo., Pa., N. J.....	
684	Nitre nitrate of potassium, Hungary and S. A.....	

711	Nivenite hydrous uranate of thorium, yttrium and lead, Texas	
483	Noumaite hydrous silicate of nickel and mg., Oregon.....	
210	Novaculite var. quartz, Arkansas.....	
387	Nuttallite silicate of al. ca., na., Bolton, Mass.....	
—	Obsidian Orthoclase, silicate of al. and potassium, Mediteranean Sea, Dakota.....	
232	Ochre Red, iron ochre, Missouri.....	
259	“ Yellow, iron ochre, limonite, Alabama.....	
252	Octahedrite Anatase, oxide of titanium, Binnenthal, Switz.....	
224	Octahedral copper, cuprite, xls, Cornwall, Eng.....	
237	“ Iron, crystals, Port Henry, N. Y.....	
317	Oligoclase silicate of al. ca. na., Pennsylvania.....	
561	Olivinite hydrous arsenate of copper, Utah.....	
376	Olivine silicate of mag. and iron, North Carolina.....	
210	Onyx, Brazil, Col., Dak.....	
270	Oolite carb. of calcium, Key West, Fla.....	
212	Opal binoxide of silica, Australia, Mexico.....	
212	“ Agate, fire, semi opal, Queretaro, Mex.....	
212	“ Precious, cut and polished stones, Australia.....	
212	“ in Matrix, Mexico.....	
212	“ Milky Opal, Mexico.....	
212	Opalized Wood, Arizona.....	
210	Onegite a kind of Gothite, Colorado.....	
395	Orangeite hydrous silicate of Thorium, Mass., Norway.....	
27	Orpiment sulphide of arsenic, Felsobanya, Hungary.....	
409	Orthite see Allanite, Pennsylvania.....	
313	Orthoclase silicate of al. and potassium, Carlsbad Ger., Penn.....	
22	Osmiridium Iridium and Osmium, Ural, Russia, Choco, S. A.....	
467	Ottrelite see Thomsonite, Pennsylvania.....	
456	Ozarkite hydrous silicate of al. ca. and na., Arkansas.....	
458	Pagodite see Agalmatolite. Carved, Chinese.....	
222	Partzite hydrous oxide, antimony, California.....	
324	Paulite silicate of iron and mg., Isle of St. Paul, Laborador.....	
271	Pearl Spar dolomite, carb. ca. and mg., England.....	
—	Peat, Ireland.....	
330	Pectolite hydrous silicate of ca. and sodium, Nova Scotia, N. J.....	
—	Peele's Hair Volcanic. See Orthoclase, Hawaii, Sandwich Isl.....	
468	Penninite hydrous silicate of mg. and al., Zermatt, Switz.....	
376	Peridot silicate of mg. and iron, Rocky Mountains.....	
518	Perofskite sesqui oxide of titanium and calcium, Arkansas, N. C.....	
310	Peta'ite silicate of al. lithium and sodium, Isle of Elba.....	
212	Petrified Wood, Col., N. C., Ariz.....	
617	Pharmacolite hydrous arsenide of calcium, Saxony.....	
646	Pharmacosiderite hydrous arsenide, iron, Cornwall, Eng.....	
382	Phenacite silicate of beryllium, N. C., Mt. Antero, Col.....	
726	Phenico-chroite chromate of lead, Ural.....	
441	Phillipsite hydrous silicate of al. ca. and k., Vesuvius, Italy.....	
462	Phlogopite duo. silicate of al. k. and mg, Ceylon, Asia.....	
286	Phosgenite chloro. carb. of lead, Greece.....	
549	Phosphorite phos. of ca. and chlo. of ca., Germany.....	
597	Phosphate of Iron. Vivianite, D. C.....	
550	“ of Lead. Pyromorphite, Southampton, Mass.....	
467	Phyllite hydrous silicate of al. iron, mn., Luxembourg, Belg.....	
481	Picrolite serpentine, hydrous silicate, mg., New Jersey.....	
408	Piedmontite silicate, al. fe. mn. and ca., Italy.....	
458	Pinite hydrous silicate, al. and potassium, New York.....	
500	Pipestone Catlinite, Dakota.....	
—	Pitch Mineral Pitch, Cuba.....	
711	Pitchblende see Uraninite, North Carolina.....	
122	Plagionite sulph. antimonide of lead, Wolfberg, Ger.....	
210	Plasma like Heliotrope, Brazil.....	
746	Plaster Stone Alabaster, Gypsum, Canada.....	

20	Platinum, Ural, Russia.....	
251	Plattnerite binoxide of lead, Idaho.....	
2	Plumbago Graphite, Ceylon, New York, Massachusetts.....	
658	Plumbogummite hydrous phos. al. and lead, Missouri	
130	Plumosite sulphide, antimonide of lead, Hungary, Ark.....	
322	Poliucite silicate of al. and ca., Maine.....	
370	Polyadelphite lime, garnet, etc., New Jersey.....	
156	Polybasite sulph. antimonide of silver, Zacatecas, Mexico.....	
535	Polycrase columbate of titanium, yttrium and uranium, South Carolina	
149	Polytelite sulph. antimonide of silver and lead, near Freiberg, Saxony	
210	Porcelain Jasper, Isle Royal, Michigan, Texas.....	
	Porphyry, Minnesota, Mo.....	
210	Prase, Brazil.....	
411	Prehnite hydrous silicate of al. and ca., Austria, Mich.....	
469	Prochlorite hydrous silicate of al. fe. and mg., Maryland.....	
145	Proustite sulph. arsenide of silver, Bohemia, Arizona.....	
58	Przibramite, Przibram, Bohemia.....	
570	Pseudo-Malachite, Libethen, Hungary.....	
	Pseudomorph Calamine after calcite, Granby, Mo.....	
	“ Brown Hematite, after Pyrites, Birmingham, Ala.....	
	“ Copper, after Azurite, New Mexico.....	
	“ Feldspar, after Leucite, Magnet Cove, Ark.....	
269	Psilomelane hydrous silicate of mg. barium, North Carolina.....	
—	Pumice, Arizona.....	
144	Pyrrargyrite sulph. antimonide of silver, Zacatecas, Mexico.....	
85	Pyrites sulphide of iron, Missouri, Colorado.....	
98	“ Arsenical. Mispickel, Maine.....	
85	“ Auriferous, gold bearing, Colorado.....	
83	“ Copper, Chalcopyrite, Mass., Mo., N. C., N. Y., Col.....	
74	“ Magnetic, Pyrrhotite, Gap Mine, Penn.....	
96	“ Radiated, Marcassite, Joplin, Mo.....	
84	“ Tin Pyrites. Stannite, Cornwall, Eng.....	
254	Pyrolusite binoxide of manganese, Nova Scotia.....	
	“ and Barite, Michigan.....	
550	Pyromorphite phosphate and chloride of lead, Penn., Mass.....	
497	Pyrophyllite hydrous silicate of al, North Carolina.....	
370	Pyrope Garnet, Bohemia.....	
146	Pyrostilpnite sulph. antimonide of silver, Andreasburg, Ger....	
74	Pyrrhotite sulph. iron, Penn., Maine.....	
325	Pyroxene si. mg. ca. etc, Renfrew, Canada.....	
	“ Crystals, si. mg. ca., DeKalb, New York.....	
210	Quartz binoxide of silicon, Montana, Ark.....	
	“ Agate, Banded, Fortification, Brazil.....	
	“ Amethystine, Amethyst, Michigan, N. M.....	
	“ Asteriated, Felsobanya, Hungary.....	
	“ Aventurine, Siberia.....	
	“ Carnelian, Chalcedony, Idaho, Colorado.....	
	“ Drusy, Flint, Black Hills.....	
	“ Polished, white, Madagascar.....	
	“ Rose Colored, Maine.....	
	“ Smoky Topaz, Onyx, Pikes Peak, Col.....	
211	“ Tridymite, San Cristobal, Mex.....	
212	“ Opal, Geysers, Wood Opal, Wyoming, Mexico.....	
250	“ Rutilated, polished, Australia.....	
210	“ with moving bubble, Mexico.....	
	“ Quartzite, Texas.....	
18	Quicksilver mercury, California.....	
66	“ Sulphide, mercury, cinnabar, Hungary, Cal.....	
313	Radiated Feldspar, French Creek, Pa.....	
210	“ Quartz, Pennsylvania.....	

309	Randite hydrous carb. of ca. and uranium, Pennsylvania.....	
26	Realger and barite, Felsobanya, Hungary.....	
"	" Red sulphide of arsenic, Felsobanya, Hungary.....	
481	Red Mottled Serpentine, polished, Cornwall, Eng.....	
83	" Oxide of copper, Globe, Arizona.....	
228	" Oxide of zinc. Zincite, New Jersey.....	
54	Redruthite, Cornwall, Eng.....	
210	Red Sandstone, New York.....	
443	Red Stilbite hydrous sl. of al. ca, Tyrol.....	
463	Rhodochrome see Penninite, Texas, Penn.....	
274	Rhodochrosite carb. of manganese, Arizona, N. J.....	
335	Rhodonite silicate of manganese, New Jersey.....	
271	Rhomb. Spar var. Dolomite, Spain.....	
210	Rhyolite banded Sandstone, Dakota.....	
481	Riccolite near Serpentine, Texas.....	
468	Ripidolite hydrous sl. of al. and mg, Pennsylvania.....	
147	Rittengerite selenide of silver, Joachimsthal, Bohemia.....	
463	Roscoelite hydrous silicate of vanadium, al. k, Colorado.....	
210	Rose Quartz, Maine Dakota.....	
590	Roselite hydrous arsenate, cobalt, ca. mg, Schneeberg, Saxony..	
462	Rubellan Biotite, Germany.....	
426	Rubellite Tourmaline, Rumford, Me.	
"	" in Lepidolite, California.....	
231	Ruby var. Corundum. sesqui. ox. al., North Carolina.....	
234	Ruby Spinel oxide, mg. and al., New Jersey, Ceylon.....	
58	Ruby-Blende Pyrargyrite, New Mexico.....	
145	Ruby Silver Proustite, Bohemia.....	
250	Rutile oxide of titanium, Vermont, N. C.....	
250	Rutilated Quartz, Aus., Ver., N. C.....	
325	Sahlite lime, mg. iron, pyroxene, Massachusetts.....	
168	Sal Ammoniac.....	
166	Salt halite, chl. sodium, Poland, Germany.....	
684	Saltpetre Nitre.....	
529	Samarskite Columbate of yttrium, uranium, iron, Mitchell Co., N. C.....	
210	Sandstone, New York, Mo.....	
231	Sapphire Blue, Saltzberg, Ger.....	
"	" Corundum, Saltzburg, Ger., Ceylon, N. C.....	
430	Sapphirine silicate of al. mg. fe, Greenland.....	
390	Sarcosite silicate of al. ca. na. Italy.....	
210	Sard Sardonyx, Germany, Brazil.....	
265	Sassolite boric acid, Tuscany.....	
270	Satin Spar Gypsum, Derbyshire, Eng.....	
387	Scapolite silicate of al. ca. na, New York.....	
814	Scheelite tungstate of calcium, Zinwald, Germany.....	
324	Schiller Spar var. pyroxene, Germany.....	
454	Scolecite hydrous silicate of al. ca, Poonah, India.....	
371	Schormolite sl. of titanium, iron and ca, Magnet Cove, Ark.....	
607	Scorodite hydrous arsenate of iron, Tintic Dist., Utah.....	
746	Selenite hydrous sulphate of calcium, Kansas, Italy, Can.....	
4	Selen Sulphur, Sicily.....	
60	Selenmurcur Tiemannite. Harz, Germany.....	
212	Semlopal, Quegstein.....	
214	Senarmontite sesqui. oxide of antimony, Constantine, Algeria..	
485	Sepiolite Meerschaum, N. Mex., Turkey.....	
481	Serpentine hydrous silicate of magnesium, Md., Penn., N. J....	
465	Seybertite hydrous silicate of al. mg. ca. fe, New York.....	
270	Shell Marble, England.....	
273	Siderite carb. of iron, Ivigtuk, Greenland.....	
79	Siegenite sulphide of cobalt, Mine LaMotte, Mo., Ger.....	
210	Silex, Maine, Montana.....	
210	Silicious Sinter, Nova Scotia.....	

383	Silicate of copper, Diopside, Siberia.....	
329	" Calcium, Wollastonite, New York.....	
368	" Bismuth, Eulytite, Saxony.....	
—	" Lead, furnace cuttings, Doe Run, Mo.	
—	" Lead. Barysilite, Sweden.....	
377	" Iron. Fayalite, Azores.....	
335	" Manganese Fowlerite, New Jersey.....	
483	" Nickel. Genthite, North Carolina.....	
423	" Zinc. Calamine, N. J., Mo., Ger.....	
399	Sillimanite silicate of al. Connecticut.....	
14	Silver Native wire Silver, Montana, Col.....	
14	" Native, Nevada, N. Mex.....	
35	" Antimonial. Dyscrasite, Ger., N. Mex.....	
153	" Brittle Silver. Stepenite, N. Mex., Bohemia.....	
171	" Bromic. Bromyrite, Broken Hills, Aus.....	
169	" Chloride "Horn," Cerargyrite, N. M., Arizona.....	
170	" Chloro-Bromide. Embolite, Silver City, N. M.....	
42	" Glance. Argentite, Freiberg, Ger., N. M.....	
144	" Ruby red. Pyrargyrite, Freiberg, Ger., Ariz.....	
45	Silver Ruby, light red. Proustite, Bohemia.....	
—	Slickensides lead ore, Cornwall, Eng.....	
87	Smaltite arsenide of cobalt, nickel, iron, Mexico.....	
275	Smithsonite carbonate of zinc, Laurium, Greece, N.J., Mo., Pa.....	
210	Smoky Quartz, England, Pikes Peak, Col.....	
493	Smectite Fuller's Earth, Germany.....	
484	Soapstone hydrous silicate, al. mg, Connecticut.....	
362	Sodalite silic and chlor. of al. and na, Litchfield, Maine.....	
316	Soda Feldspar Albite, Massachusetts.....	
270	Spar Brown, Spain.....	
"	" Calc. Calcite, Eng., Mo., Penn., N.J.....	
722	" Cube. Anhydrite, Nova Scotia.....	
270	" Dogtooth. Calcite, Eng., Ger., Mo., Pa.....	
270	" Doubly Refracting, Iceland.....	
313	" Feldspar, Penn., Canada.....	
175	" Fluor Spar, Eng., Illinois.....	
719	" Heavy spar. Barite, Eng., Va., Hungary, Mo.....	
335	" Manganese, Rhodonite, Sweden, N. J.....	
270	" Nailhead, England, Dakota.....	
271	" Pearl Spar, England.....	
271	" Rhomb, England.....	
270	" Satin Spar, Dakota.....	
324	" Schiller.....	
329	" Tabular. Wollastonite, New York.....	
271	" Wine Spar, Massachusetts.....	
232	Specular Iron, Michigan, Eng.....	
93	Sperryite Arsenide, Canada.....	
58	Sphalerite sulphide of zinc, Mo. Spain, Eng.....	
273	Spharo-siderite and Stibnite, Felsobanya, Hungary.....	
510	Sphen Titanite, silicate of ca. and titanium, Canada.....	
234	Spinel oxide of mag. and al, New York.....	
236	" Green, gahnite, oxide, zn. and al, New Jersey.....	
327	Spodumene silicate of al. and lithium, Massachusetts.....	
270	Stalactites Calcareous, Dakota.....	
"	" Stalagmites Mammoth Cave, Ky.....	
84	Stannite sulphide of tin, cu. fe. zn., Cornwall, England.....	
428	Staurolite silicate of al. fe. and mg, Aus., Me., Pa.....	
484	Steatite Talc. hydrous silicate of magnesium, N. C., Mass.....	
45	Steinmannite galenite, sulphide of lead, Przibram, Bohemia.....	
153	Stephanite sulph antimonide of silver, Przibram, Bohemia.....	
222	Stetefeldite hydrous oxide of antimony, Nevada.....	
28	Stibnite sulphide of antimony, Nova Scotia.....	
"	" Crystals, Hungary, Japan.....	

222	Stibiconite hydrous oxide of antimony, Mono Co., Cal.	
443	Stilbite hydrous silicate of al. and ca, Poonah, India, N. J.	
474	Stilpnomelane hydrous silicate of iron and al, Antwerp, N. Y.	
719	Stinkstone Barite, Pennsylvania	
817	Stolzite tungstate of lead, Zinnwald, Bohemia	
248	Stream Tin cassiterite, oxide of tin, Black Hills, Dak.	
55	Stromeyerite sulphide of silver and copper, Yankee Girl, Ouray Colorado	
280	Strontianite carb. of Strontian, Balls Cave, N. Y.	
720	Strontia-Sulphate Celestite, Sicily, New York	
585	Struvite hydrous phosphate of mg. and ammonium, Hamburg, Germany	
H	Succinite Amber, Baltic Sea	
3	Sulphur Native, Sicily, Italy, Nev.	
317	Sunstone Oligoclase, Pennsylvania	
734	Susannite sulpho. carbonate of lead, Leadhills, Scot.	
693	Sussexite hydrous borate of mn. and mg., Franklin, N. J.	
104	Sylvanite telluride of gold and silver, Boulder, Col.	
167	Sylvite chloride of potassium, Strassfurt, Ger.	
—	Syenite Granite, Egyptian, Missouri, Minn.	
484	Talc hydrous silicate of mg, N. Y. Md., N. J., Mass.	
526	Tantalite columbo, tantalate of fe. and mn, Alabama	
218	Tellurite oxide of tellurium, Zalathna	
7	Tellurium comp. Tellurium, Colorado	
43	Telluric Silver Hessite, Transylvania	
31	“ Bismuth, Tetradyte, Hungary	
149	Tennantite sulph. arsenide of copper and iron, Cornwall, Eng.	
148	Tetraedrite sulph. antimonide of copper, Germany, Cal.	
31	Tetradyte telluride of bismuth, Zsubko, Hungary	
303	Texasite see Zaratite, hydrous carb. nickel, Tex., Lancaster Co., Pa.	
456	Thomsonite hydrous silicate of al. ca. na, Arkansas	
395	Thorite hydrous silicate of thorium, Massachusetts	
712	Thorogummite hydrous silicate of thorium and uranium, Llano Co., Texas	
406	Thulite zolsite, silicate of al. ca. fe, Pennsylvania	
60	Tiemannite selenide of mercury, Clausthal, Harz	
248	Tin Oxide, Cornwall, Eng.	
19	“ Crystals, New Zealand, Bohemia	
510	Titanite silicate of ca. and titanium, Tillie Foster, Mine, N. Y.	
233	Titanic Iron see Menaccanite, Connecticut	
397	Topaz fluo. silicate of alumina, Japan, Brazil	
370	Topazolite silicate, lime, iron garnet, Mussa, Alp, Italy	
H	Torbanite boghead coal, Bathville, Scotland	
659	Torbernite hydrous phosph. uranium and copper, Cornwall, England	
210	Touchstone, Lydian stone, Texas	
426	Tourmaline boro silicate of al. with fe. mg. mn, Maine Vt., N. Y., Conn.	
“	Tourmaline Black, blue, brown, N. Y., Vt., Dakota	
“	“ Green, pink, red, yellow, Brazil, California	
313	Trachyte Orthoclase, New Mexico	
270	Travertine carb. of calcium, Weehawken, N. J.	
338	Tremolite magnesla, lime, amphibole, Mass., N. Ham., N. Y.	
211	Tridymite binoxide of silicon, Cerro, San Cristobal, Mexico	
543	Triphylite phosph. of iron, manganese, lithium, Peru, Maine	
212	Tripolite electro silicon, Nevada	
665	Trogerite hydrous arsenide of uranium. Weisser Hirsch, Saxony	
73	Troilite sulphide iron of meteoric iron, Arizona	
299	Trona hydrous carbonate of sodium, California, Nevada	
381	Troostite willemite, silicate of zinc, Franklin, N. J.	
182	Tysonite and Bastnasite, Colorado	

270	Tufa Calcareous, Florida.....	
220	Tungstite oxide of Tungsten, Missouri, Germany.....	
812	Tungstate of Iron. Wolframite, Einstein, Mo., Przibram.....	
814	" of Lime. Schleeelite, Zinnwald, Bohemia.....	
817	" of Lead. Stolzite, Zinnwald, Bohemia.....	
813	" of Manganese. Hubnerite, N. Star Mine, Nevada.....	
255	Turgite hydrated sesqui oxide of iron, Pennsylvania.....	
537	Turnerite, Switzerland.....	
642	Turquoise hydrous phosphate of aluminum, Los Cerillos, N. M....	
635	Tyrolite hydrous arsenate of copper, Mammoth Mine, Utah.....	
708	Ulexite hydrous borate of ca. and na, Esmerelda Co., Nev.....	
92	Ullmannite sulph. antimonide of nickel, Petersburg, Germany	
365	Ultramarine Lapis Lazuli, Chili, S. A.....	
807	Uraconite hydrous sulphate of uranium, Cornwall, England.....	
325	Uralite Pyroxene.....	
711	Uraninite oxide of uranium, Mitchell Co., N. C.....	
659	Uranite Torbernite, hydrous arsen. ura. cu., Cornwall, Eng.....	
659	Uranium phosphor, molybdate of amonia, Ouray, Col.....	
786	Utahite hydrous sulphate of iron, Eureka Hill Mine, Nev.....	
313	Valencianite Adularia, Guanajuato, Mexico.....	
216	Valentinite sesqui oxide of antimony, Constantine, Algeria.....	
552	Vanadinite chloro. vanadate of lead, Yuma, Arizona.....	
564	Vanadate of lead and zinc. Descloizite, Lake Valley, N.M.....	
567	" of lead and copper. Chileite, Chili.....	
78	Variegated copper, sulphides, copper. Cornwall, Eng., Aus.....	
611	Variscite hydrous phosphate of aluminum, Arkansas, Utah.....	
727	Vauquelinite chromate of lead and copper, Siberia.....	
481	Verd Antique Serpentine, Maryland.....	
66	Vermillion Cinnabar, mercury, Hungary.....	
480	Vermiculite hydrous silicate of mg. al. and fe., Arkansas.....	
393	Vesuvianite silicate of al. fe. ca. mg., Norway, New York.....	
751	Vitriol Calcanthite, hydrous sulph. cu., England.....	
751	" Green, copperas, melantierite, Pennsylvania.....	
721	" Lead vitual, anglesite, Phoenixville, Pennsylvania.....	
597	Vivianite hydrous phosphate of iron, Washington, D. C.....	
269	Wad hydrous oxide, manganese, Colorado, Missouri.....	
269	" Bog-manganese, Arkansas.....	
269	" Dendritic, Colorado, New Jersey.....	
700	Warwickite boro-titanite of mg. and iron, New York.....	
233	Washingtonite see Menaccanite, Connecticut.....	
639	Wavellite hydrous phosphate of aluminum, Arkansas.....	
387	Wernerite silicate of al. ca. and sodium, Bolton, Mass.....	
136	Wheel Ore see Bournonite sulph. antim. pb. cu., Przibram, Bohemia.....	
216	White Antimony. Valentinite, Algeria.....	
321	" Garnet. See Leucite, Monte Somma, Italy.....	
281	" Lead ore, Cerussite, Germany.....	
749	" Vitriol, goslarite, hydrous sulph. zu, Joplin, Missouri...	
96	" Pyrites, marcassite, Joplin, Missouri.....	
381	Willemite silicate of zinc, New Jersey.....	
423	" also Moresnetite, Altenberg, near Aix LaChapelle, Germany.....	
481	Williamsite hydrous silicate of mag, Serpentine, Pennsylvania	
279	Witherite carbonate of barium, England.....	
137	Wittichenite sulphide of bismuth and copper. Schwarzwald, Bohemia.....	
818	Wulfenite molybdate of lead, Bleiberg, Corinthia.....	
818	" Yellow crystals, Nevada, New Mexico.....	
818	" Yellow and red crystals, Southampton, Mass.....	
812	Wolframite tungstate of iron and mng., Einstein, Mo.....	
812	" " " " Przibram, Bohemia.....	
329	Wollastonite silicate of calcium, New York.....	

779	Woodwardite see Liskeardite, Cornwall, England.....	
117	Wolfsbergite sulph. antimonide of copper, Wolfsberg, Harz.....	
510	Xanthitane hydrous titanite of al., North Carolina.....	
393	Xanthite Vesuvianite, New York.....	
536	Xenotime phosphate of yttrium, Hittero, Norway.....	
259	Yellow Ochre sesqui oxide of iron, Alabama.....	
417	Yenite see Ilvaite, silicate of fe. and ca., Isle of Elba.....	
405	Yttrialite silicate of yttrium and thorium. Llano Co., Texas.....	
209	Yttrocerite hydrous fluoride of yttrium, ca. and cerium, Orange County, New York.....	
303	Zaratite hydrous carbonate of nickel, Texas, Pennsylvania.....	
447	Zeolite Cubic, Chabazite, Kladenderfel, Bohemia.....	
453	“ Needle, Natrolite, New Jersey.....	
450	“ Cubic, Analcite, Scotland, Nova Scotia.....	
445	“ Efflorescent, Laumontite, Brewster, New York.....	
438	“ Heulandite, Nova Scotia.....	
443	“ Stilbite, India, New Jersey.....	
435	“ Apophyllite, Aussig, Bohemia.....	
12	Zinc comp. zinc etc., blende, Spain, Joplin, Mo. Ark.....	
58	“ Blend, sphalerite, sulphide of zinc, Eng., Bohemia, Mo., Arkansas.....	
291	“ Bloom, hydrozincite, New Jersey, Greece, Germany.....	
275	“ Carbonate, Smithsonite, Mo., N. J., Greece, Germany.....	
423	“ Silicate, Calamine, N. J., Pa., Mo., Ark., Germany.....	
236	“ Zinc-Spinel, Gahnite, Weissberg, Bohemia.....	
228	“ Oxide, Zincite, Stirling Hill, New Jersey.....	
461	Zinnwaldite fluo. sil. of al. k. and lithium, Bohemia.....	
394	Zircon silicate of zirconium, Miask, Russia, North Carolina.....	
406	Zoisite silicate of al. iron and calcium, Pennsylvania.....	
406	“ Red and pink, Thulite, Pennsylvania.....	
52	Zorgite selenide of lead and copper, Tilkerode, Harz.....	
369	Zunyte hydrous silicate of aluminum, Silverton, Colorado.....	
63	Alabanbite with rhodochrosite, Nagyag, Transylvania.....	
315	Amazonite, see amazon stone, Colo. and Va.....	
470	Amesite, magnesium al. silicate, Chester, Mass.....	
418	Andesine, al. sodium, ca. polysilicate, Glasendorf, Silesia.....	
450	Analcite, hyd. silicate of al. and sodium, Flinders Isle, Tas.....	
721	Anglesite, sulph. of lead, Monte Ponì, Sardinia.....	
721	Anglesite, sulph. of lead, Larium, Greece.....	
370	Andradite, garnet, New Jersey.....	
277	Aragonite, Sprudelstein, Carlsbad, Germany.....	
15	Arborescent copper, Broken Hill, N. S. Wales.....	
336	Babingtonite, ca. fe. mangn. Sil. 03, Athol, Mass.....	
630	Barnhardite, sulphide of cu. fe., Mecklenberg, N. C.....	
610	Barrandite, hyd. phos. of fe. al., Bohemia.....	
285	Bastnasite, flu-carb. ce. lan. didymium, El Paso Co. Col.....	
680	Beudantite, phosp. with sulph. fe. pd. Harjausen, Nassau.....	
306	Bismutite, bismuth, carb. Schneeberg, Sax.....	
7	Bixbyite, on topaz, Simpson, Utah.....	
481	Bowenite, base magn. silicate, Rhode Island.....	
566	Brackenbushite, hyd. vanadate of pb. fe. mn. Arg. Rep.....	
591	Brandite, hyd. arsenate of ca. mn. Fajberg, Sweden.....	
270	Calcite, carb. of ca. twin crystals, Joplin, Mo. and Eng.....	
195	Calaverite, telluride of gold, silver, Cripple Creek.....	
270	Calcite, scalenohedron “buff edge,” Joplin, Mo.....	
270	Calcite, butterfly crystals, Egermont, Eng.....	
“	“ enclosing marcasite, Joplin, Mo.....	
“	“ enclosing pyrite, Doe Run, Mo.....	
“	“ native copper, Lake Sup., Mich.....	
“	“ colored with cobalt, Schneeberg, Saxony.....	
“	“ calc-sinter, colored with cobalt, Richelsdorf, Germany.....	
“	“ green calc-spar., enclosing bysolite, French Creek, Pa.....	

270	Calcite	"phantom" shadow crys., Egermont, Eng.	
"	"	and pribramite, Pribram, Bohemia	
"	"	and barite crystals, Isle of Man	
"	"	and fluorite crystals, Weaversdale, Eng.	
"	"	crystals from Guanajuato, Mexico	
"	"	crystals, enc. millerite, Koekuk, Iowa	
"	"	crystals, coating of Greenockite, Joplin	
"	"	crystals primitive form, Poretta, Italy	
"	"	crystals with pearl spar and quartz on iron, Cleator Moor, England	
"	"	dogtooth spar on Galena, Potosi, Mo.	
"	"	crys. dogtooth spar and barite, cerusite, Old Mines, Mo.	
"	"	blue, yellow and pink, N. Y., Mo. and N. J.	
"	"	dogtooth spar in limestone with lead, Doe Run, Mo.	
"	"	crystal 21" long, Ste. Genevieve, Mo.	
"	"	stalactites and stalagmites, Ariz. and S. Dak.	
"	"	dogtooth spar in limestone with lead, St. Joe Lead Mines, Mo.	
231	Capped Quartz	Geyer, Saxony	
424	Carpholite	wippra, Harz, Germany	
248	Cassiterite	St. Austell, Eng.	
720	Celestine	strontium sulphate, Ggenti, Italy	
720	Celestine	strontium sulphate, Lake Erie	
234	Ceylonite	magnesium aluminate, Monet Somma, Italy	
210	Chloritic	"Phantom," Dona Ana Co., New Mexico	
567	Chileite	England	
484	Chalk	French, North Carolina	
711	Cleveite	uranate of uranyl, pb. yttrium, Rhade, Norw.	
704	Colemanite	with celestite, San Bern. Co., Calif.	
	N Cummengite	hyds. oxy-chl, lead and copper, Boleo, Lower California, Mexico	
400	Cyanite	kyanite, Faido, Switzerland	
	N Cylindrite	sulph-antimonate, lead, tin, Poopo, Bolivia	
54	Cyprite	Cornwall, England	
676	Hyds phos-carb.	of ca. Bamle, Norway	
401	Datolite	ortho-silicate of ca. Baron Vecchio, Italy	
134	Diaphorite	sulph-antimonide of pb. ag. Pribram, Bohemia	
325	Diopside	metasilicate of lime and iron mg., Tyrol and N. Y.	
231	Drusby Quartz	Va., Mo., S. Dak., and Mass.	
519	Dysanlyte	niobo-titanate of ca. fe., Marnet Cove, Arkansas	
673	Ecdemite	chlo-arsenate of lead, Mammoth Mine, Arizona	
570	Rhilit	pseudo-malachite, Ehl, Germany	
233	Eisenrosen	iron, rose, Fibia, Switzerland	
13	Electrum	gold and silver, Transylvania	
170	Emboilte	chlo-bromite of silver, Broken Hills	
116	Emplectite	sulpho-bismutite of copper, Schwarzenburg, Ger.	
440	Epistilbite	hydrous basic silicate of al. ca., Beruford, Iceland	
312	Eudidymite	silicate of sodium, berillium, Langesund, Norway	
353	Fahlunite	silicate of al. mg. and fe., Falun, Sweden	
451	Faujasite	hyds. sil. of al. ca. and na., Kaiserstuhl, Baden	
270	Ferro-Calcite	carb. of ca. and fe., Melbourne, Victoria	
212	Florite	pearl sinter, Mexico	
	N Footelite	hydrous chlotideo of copper, Bisbee, Arizona	
484	French Chalk	North Carolina	
500	Fullers Earth	Minnesota, Missouri	
207	Gearsutite	hydrous fluoride of ca. and al. El Paso Co. Col.	
193	Geniculated Rutile	Magnet Cove, Ark	
90	Gersdorffite	polished, Gilpin Co., Colorado	
	H Gilsonite	see Uintahite, Uintah, Utah	
344	Golden Beryl	goshenite, Goshen, Massachusetts	
270	Golden Calcites	crystals 1" to 1 1/4", Joplin, Missouri	
13	Gold	native, nuggets from "Klondike", Alaska, Mexico, Col.	

13	Gold Dust Washings from Klondike, Eldorado, B. C.	
13	Gold, electrum, Transylvania	
13	Gold, pyrites with gold, silver and copper, Ainsworth, B. C.	
743	Glauber salt, Mirabilite, Germany	
448	Gmelinite, hydrous silicate of al. na. ca., Flin. Isl., Tas.	
469	Grochanite, silicate of al. mag. fe., Schleswig, Grauchau	
746	Gypsum, var. selenite, Mahoning county, Ohio	
746	Gypsum, crystals, Teplitz, Bohemia	
206	Hagemannite, an impure Thomsenolite, Ivigtut, Greenland	
86	Hauerite, manganese-disulphide, Raddusa, Sicily	
552	Hedyphane, near mimetite ca. barium, Langbang, Sweden	
547	Herderite, fluo phos. of ca. and beryllium, Auburn, Me.	
438	Heulandite, Beruflord, Iceland	
210	Hornblend, in quartz, Pennsylvania	
210	Hornstone, Chert, Missouri	
701	Howlite, silico-borate of calcium, San Bern., California	
233	Ilmenite, oxide of iron and titanium, Egersund, Norway	
426	Indicolite, lithium-tourmaline, Paris, Maine	
212	Infusorial Earth, tripolite, Nevada, Missouri	
173	Iodyride, Broken Hill, N. S. Wales	
25	Iron, native, Disco Isl., Greenland	
25	" terrestrial, Arizona	
25	" meteoric diamondiferous, Canon Diabolo, Ariz., Pyrites, Rosette, Illinois	
233	Iserine, oxide of iron and titanium, Iserine, Bohemia, Isinglass, Mica, North Carolina	
240	Jacobsite, ferrate, manganate of mn. mg. Wermland, Sweden	
394	Jargon, see Zircon, Ceylon	
210	Jasperized Wood, Ariz.	
212	Jasper Opal, New Mexico	
806	Johannite, hyds. sulphate of uranium cu., Colorado	
32	Joselite, bismuth and tellurium, San Jose, Brazil	
736	Kainite, hyd. chl-sul, mg. and potass., Strassfurt, Saxony	
492	Kaolin, kaolinite, Missouri	
553	Kjerulpite, wagnerite, Bamle Norway	
776	Krohnkite, hyd. sulph. copper and sodium, Atacame, Chili	
N	Kylinderite, lead, tin, antimony, sulph., Bolivia	
419	Langbanite, mn. silic. and fer-antimon, Langban, Sweden	
779	Langite, hyds. sulph. of copper, Clausen, Tyrol	
298	Lanthanite, hyds. lanthanum, carb., Saucon Valley, Penn	
178	Lawrencite, ferrous chloride, Disco Island, Greenland	
N	Lawsonite, hyds. silic. of al. and ca., Tiburon Pen, Calif.	
734	Leadhillite, hyds. sulph-carb. of lead, Inglesais, Sard	
734	Leadhillite, crystals, "Beer Cellar" Mine, Granby, Mo.	
308	Liebigite, carb. uranium and calcium, Joachimsthal, Boh.	
458	Liebenerite, see muscovite, Fleimsthal	
140	Lillianite, sulpho-bismuthite of lead, Leadville, Col.	
509	Lillite, hyds. silic. of iron, Przbram, Bohemia	
741	Linarite, with cerussite, Pinal Co., Colorado	
270	Lithographic stone, Missouri	
97	Lollingite, iron, diarsenide, Reichenstein, Silesia	
96	Marcasite on sandstone, Pendleton, Ind.	
96	Marcasite, spear pyrites, Dover Cliff, Eng.	
394	Malakon, altered zircon, Hittero, Norway	
288	Malachite, with carb. of copper, Ishpeming, Mich.	
58	Marmatite	
358	Meliphanite, beryll-ca. na. fluo-silic, Fredericksvarn, Nor.	
824	Mellite, hyds. mellate of aluminum, Bohemia	
151	Meneghinite, sulph. antimonide of lead, Bottino, Italy	
455	Mesolite, between natrolite, scolecite, Flind'r Isl. Tas.	
522	Microlite in Albite, Virginia	
210	Milky quartz with blende, Durham, England	

212	Milky Opal, New Mexico	
70	Millerite in calcite, Keokuk, Iowa	
244	Minium, pulverulent, Leadville, Colo.	
743	Mirabilite, glauber salt hyd. sulph. Na., Germany	
453	Natrolite, Flinders Isl. Tasm.	
621	Newberryite, hyd. phos-acid. magn'm., Ballarat, Victoria	
602	Nickel, bloom, Annabergite, Saxony	
90	Nickel, glance, Gersdordite, Hanover	
250	Nigrine, ferriferous Rutile, Magnet Cove, Ark.	
525	Niobite, Columbite, South Dakota	
683	Nitrate of Soda, South America	
N	Northupite, mg. sodium carb. chlor, California	
	Onyx, Mexican, Oaxaca, Mexico	
212	Opalized Wood, Idaho	
205	Pachnolite, hyd. fl. of al. ca. and sodium, Ivigtut, Greenland	
335	Pajsbergite, Rhodonite, Sweden	
58	Peacock blende, Felsobanya, Hungary	
H	Peacock coal, Penn.	
78	Peacock ore, Bornite, Australia	
270	Pecatite altered calcite, Fassathal, Tyrol	
316	Pericline, Opaque Albite, Virsch, Switzerland	
313	Perthite, sunstone, Ont., Canada	
44	Petzite, telluride of ag. au., Amer. Mine, Colo.	
768	Pickeringite, sulph. of al. and mg., Ceros Pintados, Chili	
270	Pisolite, Concretionary Limestone, Carlsbad, Germany	
447	Phacolite, and chabzite Richmond, Victoria	
447	Phacolite and chabzite, Melbourne, Australia	
234	Pleonaste, spinel, Monte Somma, Italy	
266	Phosgenite, Monte Ponì, Sardinia	
270	Plumbo-calcite, Bleiberg, Carinthia	
212	Precious Opal, Barcoo River, Australia	
246	Pseudo-Brookite, Transylvania	
	Pseudomorph, Rutile after Brookite, Arkansas	
	Pseudomorph quartz after Orthoclase, England	
	Pseudomorph, calamine, yellow xls., Joplin, Mo.	
436	Ptilolite, hyd. silic of al. ca. na. ka., Beruford, Iceland	
542	Pucherite, Vanadate of bismuth, Schneeberg, Saxony	
270	Pudding stone, Missouri	
70	Pyrites, capillary, millerite, Gap Mine, Penn.	
762	Polyhalite, hyd. ca. magn. and potassium sulph., Austria	
85	Pyrites, cox-comb, marcasite, Joplin, Mo.	
85	Pyrites, iron, Col., Pa., Mo. and Ark.	
85	Pyrites, spear, England and Indiana	
520	Pyrochlore, nb. of ca. ce. and flu. of na., Fred'varn, Norway	
550	Pyromorphite, Ems. Nassau, Germany	
550	Pyromorphite, white (Cherokine), Joplin, Mo.	
210	Quartz with Hornblende, Rhode Island	
210	Quartz with Tourmaline, Mitchell Co., N. C.	
210	Quartz, chloritic (Phantom) Organ Mts., New Mex.	
210	Quartz, twin crystals (Tabular), Marnshima, Japan	
208	Ralstonite, hyds. fluo. of al. na. and mg., Ivigtut, Greenland	
304	Remingtonite, incrusting, hyds. cobalt, carb., Lower Cal., Mex	
379	Roepperite, fe. mn. zn. mg. orthosilicate, Sterling, N. J.	
535	Rogersite, hyds. niobate of yttrium, Marlon, N. C.	
778	Romerite, hyds. sulph. of ferrous iron, Chili, S. America	
N	Rowlandite, fluo-silicate of yttrium, fe., Llana Co., Texas	
234	Ruby spinel, Ceylon	
270	Ruin Marble, Italy	
318	Saccharite, see andesine, Frankenstein, Silesia	
	Sandstone, flexible, N. Carolina	
	Sandstone, carrying lead, disseminated, Doe Run, Mo.	

280	Saussurite, zoisite, Piedmont, Italy	
210	Scarlet quartz with hematite, England.....	
188	Schwarzenbergite, lead oxychlor-iodide, Tarapaca, Chili.....	
454	Scolecite, Berufford, Iceland.....	
782	Serpierite, copper and zinc, sulphate, Larium, Greece.....	
799	Sideronacrite, a hyd. sodium and fer. fe. sul, Hauntajaya, Chili.....	
276	Sphaero-Cobaltite, card. of cobalt, Lower Calif., Mexico.....	
277	Sprudelstein, Carlsbad, Germany.....	
166	Steinsalz with Petroleum, Poland.....	
608	Strengite, hyd. phosph. of fer. fe., Weilberg, Germany.....	
324	Szabonite, Tridymite, Transylvania.....	
329	Tabular spar. Wallastonite, New York.....	
329	Tabular quartz, N. Carolina.....	
217	Tantalite ochre, Rismite, Saxony.....	
230	Tenorite, cupric oxide (cuo), Cochise Co., Arizona.....	
500	Teratolite, see clays, Planitz, Saxony.....	
502	Thaumasite, hyd. sulph. carb and silic ca., Patterson, N. J.....	
716	Thenardite, sulphate of sodium, Borax Lake, California.....	
294	Thermonatrite, hys. sodium carb., Soda Mines, Nev.....	
206	Thomsenolite, same as pachnolite, Arksuk, Greenland.....	
395	Thorite, Brevik, Norway.....	
84	Tih pyrites, stannite, Cornwall, Eng.....	
248	Tinstone, cassiterite, England and Australia.....	
248	Toads eye tin, cassiterite, Eng. and Australia.....	
513	Tscheffkinit, Thorium, Cerium, ti. silicate, Bedford, Co., Va.....	
H	Uintahite, gilsonite, Uintah, Utah.....	
503	Uranophane with gummite, Mitchell Co., N. C.....	
663	Uranocrelite, hyd. phos. of uranium, barium, Schneeberg, Sax.....	
611	Utahite, see variscite, Lewiston, Utah.....	
370	Uvarovite, altered garnet, S. Dakota and California.....	
463	Vanadium Mica. see Roscoelite, Colorado.....	
611	Variscite with Wardite, Camp Floyd, Utah.....	
597	Vivianite, Wannon River, Victoria.....	
309	Voglite. hyd. carb. of ura. ca. and cu., Joachimsthal, Boh.....	
553	Wagnerite, fluo-phosph. mgn., Bamle, Norway.....	
666	Walpurgite, arsenate of bis. and uranium, Schneeberg, Saxony.....	
622	Wapplerite, hyd. acid, calcium, arsenate, Schneeberg, Saxony.....	
N	Wardite, hyd. aluminum phosphate, Camp Floyd, Utah.....	
821	Whewellite, hyd. oxalate of calcium, Zwickau, Saxony.....	
281	White Lead Ore, cerrusite (Lead carbonate) Broken Hill.....	
281	" " " " " " Joplin, Mo.....	
281	" " " " " " Doe Run, Mo.....	
288	White malachite, copper carbonate, Michigan.....	
333	Wohlerite, c. na. metasilicate, zirc'ate, Nio, Brevik, Norway.....	
212	Wood Opal, Arizona.....	
212	Wood solidified, New Mexico and Montana.....	
69	Wurtsite, zinc sulphide (zrs) Joplin, Mo.....	
160	Xanthoconite, silver sulpharsenate, Freiberg, Germany.....	
405	Yttrium silicate, Llano Co., Texas.....	
613	Zepharovichite, hyd. cf phos. of aluminum, Trenic, Boh.....	
114	Zinkenite, sulphantimonite of lead, Harz, Germany.....	
563	Zinc, arsenate, adamite, Laurium, Greece.....	
587	Zinc, phos. mines at Altenberg, Aix la Chapelle.....	
749	Zinc, vitrol, goslarite, Colorado.....	
423	Vanuxemite, a clay mixture with zn. silicate, Missouri.....	
784	Yellow copperas, see copiapite, Chili, S. A.....	
83	Yellow copper ore, pyrites and ore, Ark. and Mo.....	
818	Yellow lead ore, Wulfenite, Germany and N. Mexico.....	
45	Lead galena with coating of asphaltum, Joplin, Mo.....	
	Bottle Lead ore, Metterich, Prussia.....	
	Lead, distorted cubes, galena croup, rare.....	
	Lead, cerussite (Catherine Mines) Fredericktown, Mo.....	

Euclase, one piece.....	
Fiedlerite, lead combination.....	
Jordanite, lead sulph. arsenate.....	
Cenosite.....	
Large specimen lead and barytes, coated dogtooth spar and Cerru- site, Fourche Renault, Washington, Co., Missouri.....	
Large rough granite column, Middlebrook, Mo.....	
Polished Granite, large block, Middlebrook, Mo.....	
Granite Boulders, assortment from underground, Doe Run, Mo.....	
Blende Zinc Ore, large ton specimen from Joplin, Mo., Premium at Buffalo and Charleston, S. C. Exposition.....	
Zinc Ore, assortment from Hopewell, Washington Co., Missouri.....	
1 Old Spanish Ore Shovel, made of wood and used in early settler's time.....	
Assortment Lead Furnace Products found in old Calcine bottoms. Stick of wood replaced by lead absorption, etc., Crystaliza- tion, Secondary Formation, etc., Doe Run, Missouri.....	
Assortment Doe Run Ores, say 50 specimens in wall case.....	

CASE NO. 1 French Case. Cameos, Mosaics.

1 Amber.....	
1 Coral.....	
1 Coral.....	
1 Coral, Samoa.....	
1 Carved Tiger, Agate, India.....	
1 Rat, Quartz, Chinese.....	
1 Scarab.....	
1 Scarab.....	
1 Small Revolver, etc.....	
1 Mosaic painting.....	
1 Mosaic Vatican, St. Peter.....	
1 Mosaic, new, Rome.....	
1 Egyptian Lady, Veiled Face, "Pharaoh".....	
1 Roman Temple Building.....	
1 Meerchaum.....	
Case No. 1. 13 Mosaics.....	
Case No. 2. 13 Mosaics.....	
Case No. 3. 14 Mosaics.....	
Case No. 1. 21 Cameos.....	
Case No. 2. 47 Cameos.....	
Case No. 3. 17 Cameos.....	
1 Long Coral.....	
2 Sea Urchins, very fine.....	
1 Pompean Bottle.....	
1 Small Vessel.....	
1 Small Vessel.....	
1 Small Bible.....	
1 Dictionary.....	
Set small cards and spoons, presented.....	
Beetles and Bugs, Brazil.....	
1 Peruvian Burial Jar.....	
1 Aztec Bowl.....	
Large Tiger Eye, Kruger Home, Africa.....	
Boar Tusk, mounted.....	
Egyptian Figure.....	
1 Japan Carving, Ivory figure, Evolution "Totem".....	
Piece of old Roman Wall from home of Lord Bacon, Verulum City.....	

Articles

Price

Piece of old wall, London	
Piece of Meteorite, Mexico.....	
Piece of Mastadon Tooth, Siberia.....	
Egyptian Bronze Lamp, Pharoan style.....	
1 Fancy Carved Case	

CASE NO. 2

1 Jap Marble Ball, large.....	
1 Jap Marble Ball, smaller	
1 Ural Gems and combination cut stones.....	
1 South Africa Gold Ore Ball, polished.....	
1 Kimberly Diamond in matrix, South Africa.....	
1 Japan Topaz.....	
1 Japan Topaz.....	
1 Japan Twin Quartz.....	
1 Tiger Eye and Quartz, Africa.....	
2 Tiger Eyes, and Quartz, Africa.....	
1 Iceland Spar, very large.....	
1 Cerussite, Broken Hills.....	
1 Cerussite, Broken Hills.....	
1 Cerussite, Broken Hills, Australia.....	
1 Crocoite, "Lead Chromate"	
1 Coral Fossil, Australia.....	
1 Rock, Marble, Turkey.....	
1 Slag Lava, Italy.....	
1 Zinc Ore, Spain.....	
1 Antimony, Stibnite, Hungary.....	
1 Antimony, Japan, large one.....	
1 Antimony, Bohemia, Hungary	
1 Diopase, Africa.....	
1 Diopase, Siberia.....	
1 Cuprite, Rhein, Germany.....	
1 Pyromorphite, Germany.....	
1 Gold Ore, Austria.....	
1 Orpiment, Asia.....	
1 Zircon, Canada.....	
1 Prousite, Chili.....	
1 Gypsum, Bohemia.....	
1 Apophyllite, Mexico.....	
1 Lead Ore, Japan.....	
1 Stilbite, Iceland.....	
1 Quartz and Crystal Iron, Isle Elba.....	
1 Native Iron, Greenland.....	
1 Calcite, Butterfly Crystal, England.....	
1 Cinnibar Crystal, China.....	
1 Platinum, large nugget, Urals.....	
1 Leadhillite, Scotland.....	
1 Scarlet Red Quartz, England.....	
1 Roze Garnet Slab, polished, Mexico.....	
1 Malachite Slab, polished, Siberia.....	
1 Cyanite Crystals, Switzerland.....	
1 Selenite, Italy, Sicily.....	
1 Polished Labradorite, Siberia.....	
2 Garnets, Switzerland.....	
1 Pearl in shell.....	
1 Case polished Quartz, Ores, etc.....	
1 Large Opa', polished, Australia.....	

Articles
Price

1	Large Opal, Australia.....	
1	Large Opal, polished, Mexico.....	
1	Large Opal, polished, Mexico.....	
1	Large Opal, polished, Mexico.....	
1	Large Opal, polished, Mexico.....	
1	Fossil Wood, Opal, Mexico.....	
10	Polished Opals.....	
6	Rough Opals.....	
1	Rough Opal in box.....	
1	Serpent Cut Opal.....	
1	Polished Matrix, Australia.....	
1	Polished Matrix, Green.....	
1	Polished Matrix, Blue.....	
1	Polished Fire, broken.....	
4	Polished Fire Opals.....	
2	Small boxes rough Opals.....	
1	Small box rough Opals, Auckland, Australia.....	
1	Small box Opals.....	
1	Polished Opal.....	
5	Polished Fire Opals.....	
1	Box 20 polished Opals.....	
2	Polished Opals, white and yellow.....	
2	Polished Opals in Matrix.....	
1	Selenite and sulphur, Italy.....	
1	Selenite, sulphur and pumice stone.....	
1	Turquoise, polished, Persia.....	
1	Thulite, Sweden.....	
1	Reconstructed sapphire, blue.....	
1	Reconstructed Ruby and button.....	
1	Peridot, Egypt.....	
2	Cats Eye, Chinese.....	
1	Sun stone, Norway.....	
1	Topaz.....	
1	Sodalite, Canada.....	
1	Rose quartz, Zanzibar.....	
1	Ruby spiral, cut gem.....	
1	Bottle small xl.....	
1	Emerald, Matrix.....	
1	Moss Agate, cut, Mexico.....	
1	Jade, cut, China.....	
2	Smoky topaz, Ceylon.....	
1	Cat eye, Ceylon.....	
1	Star Sapphire, cut, Ceylon.....	
1	Sapphire, rough, Ceylon.....	
2	Moon stones, Asia.....	
1	Corundum sapphire, rough, Asia.....	
1	Sard, Germany.....	
1	Sun stone, polished, Turkey.....	
1	Rutile quartz, polished, Africa.....	
1	Paulite, polished, Africa.....	
2	Tiger eye pins, polished, Africa.....	
1	Topaz, Siberia, polished.....	
1	Sun stone, polished, Norway.....	
2	Beryl crystals, Austria.....	
2	Beryl crystals, Austria.....	
1	Beryl, Siberia.....	
1	Red quartz.....	
1	Amber in box, Vegetation Fossil.....	
1	Amber in box, Musquito.....	
1	Malachite, polished.....	
5	Bort black diamonds.....	
4	Bort white diamonds.....	

Articles

Price

1	Rhine stone.....
1	Cinnibar, China.....
1	Gold crystal, California.....
1	Lead specimen, St. Andreas.....
2	Mexican Onyx.....
1	Brazil Agate, polished.....
2	Brazil Agates, polished.....
2	Brazil Agates, polished.....
1	Cast cullinane diamond models.....
1	Case cullinane diamond cut models.....
2	Rhodonite trays, Siberia.....
1	Serpentine tray, Siberia.....
1	Japanese quartz, ball.....
1	Japanese quartz, polished.....
1	Japanese quartz, polished.....
1	African quartz and rutile, polished.....
1	Crystal tin ore, New Zealand.....
1	Amethyst, Hungary.....
1	Topaz, Siberia.....
1	Topaz, Japan.....
1	Smoky quartz and phantom, Switzerland.....
1	Cut white quartz and phantom, Switzerland.....
1	Jasper, polished, Russia.....
1	Quartz crystal and actinolite, Japan.....
1	Malachite, Siberia.....
1	Crocidolite tiger eye, Africa.....
1	Amber, insect, Turkish.....
8	Amber beads.....
2	Anakite, polished, Vesuvius.....
2	Matrix, Diamond Fields, Kimberly.....
1	Bottle, washings from diamond fields.....
1	Sulphur, Crystal, Sicily.....
1	Beryl, Crystal, Urals, Russia.....
4	Agates, Germany.....
1	Jasper, Russia.....
1	Jasper, Scotland.....
1	Agate, East India.....
1	Blood stone, Brazil.....
1	Rhodonite, Siberia.....
3	Cut Cameos, Intaglio.....
1	Marcassite, Bohemia.....
1	Plagionite, Bohemia.....
1	Ruby Silver, Bohemia.....
2	Moss agates, Siberia.....
1	Moss agate, Ceylon.....
1	Rose garnet ball, Mexico.....
1	Large calcite, Larium, Greece.....
1	Large quartz and lead, England.....
1	Calcite, England.....
1	Pyromorphite, England.....
1	Mimetite.....
2	Agates, Brazil.....
1	Agate, Brazil.....
1	Smithsonite, zinc, Larium, Greece.....
1	Arozonite, Italy.....
1	Pyromorphite, England.....
1	Quartz, Crystal, Switzerland.....
1	Calamine, England.....
1	Sunstone, Norway.....
1	Iron and quartz, Isle Elba.....
1	Quartz, Crystal, Japan.....
1	Gypsum, Sicily.....

Articles

Price

1	Calcite England.....	
1	Linarite.....	
1	Zinc ore and lead, Bohemia.....	
1	Copper. Azurite, New South Wales.....	
1	Large calcite, England.....	
3	Large calcites, England.....	
2	Small calcites, England.....	
1	Corundum, Canada.....	
1	Sphalerite, Germany.....	
1	Calcite and Fluorite, England.....	
1	Pyrite and calcite, England.....	
1	Adamite, Zinc, Greece.....	
1	Quartz on iron, England.....	
1	Iron ore, Kidney Ore, England.....	
1	Labradorite, Labrador.....	
1	Quartz and Actinolite, Broken Hills.....	
1	Show Case.....	

CASE NO. 3

1	Large selenite and sulphur, England.....	
1	Large Antimony, England.....	
1	Aragonite, England.....	
1	Calcite, Crystals.....	
1	Calcite, Double Phantom.....	
1	Iceland Spar, Iceland.....	
1	Cinnabar, Hungary.....	
1	Smoky Quartz, England.....	
2	Sulphur, Crystals, Italy.....	
1	Calcite, Mexico.....	
1	Croconite, lead chromate, Siberia.....	
1	Cerussite, lead carbonate, New South Wales.....	
1	Feld Spar, Italy.....	
1	Smithsonite, polished, Greece.....	
1	Calcite, Bohemia.....	
1	Red Serpentine, polished, England.....	
1	Box 4 Agates, Brazil.....	
1	Box 3 Agates, Brazil.....	
1	Box, black and white agates.....	
1	Box 3 tiger eyes, Africa.....	
2	Cats eye. white, Asia, Ceylon.....	
1	Cats eye, Japan.....	
1	Box, 3 small Mosaic Agates.....	
8	Garnets, rough stones, Hungary.....	
3	Garnets, rough stones, Hungary.....	
2	Garnets, polished stones, Hungary.....	
1	Garnet, Bottle, Hungary.....	
3	Turquoise, Mexico.....	
1	Agate, India.....	
1	Iron, Hematite, polished.....	
1	Small bottle Osmaridium, South America.....	
2	Camellians for Cameo cutting, Brazil.....	
1	Pr. Camellians for sleeve buttons.....	
1	Amethyst, Brazil.....	
2	Boxes Pyrope Garnets, Bohemia.....	
2	Agates, Brazil.....	
1	Small bottle, 5 Ruby Spiral, Ceylon.....	
1	Polished Agate, Brazil.....	

Articles

Price

1	Polished Chalcedony.....	
1	Small Diamond.....	
1	Small Sapphire.....	
1	Small Garnet.....	
1	Small Emerald.....	
3	Gold Stones, Aventurine	
3	Sardonyx, Germany.....	
1	Pyrargarite, Bohemia.....	
1	Calcite, Lumachelle, Corinthia.....	
1	Obsidian, Mediterranean Sea.....	
1	Fossil Coral, polished, Siam.....	
1	Large Agate, East India.....	
1	Gilgoi, New South Wales.....	
1	Large Smithsonite, Broken Hills.....	
1	Large Gold Specimen, Transylvania.....	
1	Crystal, zinc blend, Hungary.....	
1	Crystal, Galena, Pseudomorph, Germany.....	
1	Massicot, Tasmania.....	
1	Peat, Iceland.....	
1	Zinc ore, peacock-iridescent, Hungary.....	
1	Calcite crystal, Mexico.....	
1	Calcite Crystal, England.....	
1	Malachite-Pseudo-after quartz, Broken Hills.....	
1	Heulandite and acadialite, Nova Scotia.....	
1	Lead, native lead, rare, Langban, Sweden.....	
1	Wulfenite, Austria.....	
1	Orthoclase and topaz, Italy.....	
1	Cerussite, carbonate lead, Germany.....	
1	Wulfenite, Bleiberg, Corinthia.....	
1	Pyrites, Italy.....	
1	Iron, Mica Schist, Sweden.....	
1	Sunstone, polished, Canada.....	
1	Cerussite, Austria.....	
1	Lapis Lazula, Siberia.....	
1	Plumosite and Barite, Hungary.....	
1	Nadorite, Africa.....	
1	Thomsenolite and Hagemannite, Greenland.....	
1	Appophyllite, Hungary.....	
1	Laurionite and phosgenite, Larium, Greece.....	
1	Arborescent Copper, Broken Hills.....	
2	Large barite crystals, Frizzington, England.....	
1	Quick silver and tetrahedrite, Hungary.....	
1	Tetrahedrite, Cornwall, England.....	
1	Sappherine, Siberia.....	
1	Bournonite, Bohemia.....	
1	Phacolite, Victoria.....	
1	Calcite, Lancashire, England.....	
1	Calcite, Lancashire, England.....	
1	Calcite and Pyrite, Bohemia.....	
1	Erythrite, Urals, Russia.....	
1	Zinc spahlerite, Hungary.....	
1	Siderite, England.....	
1	Orthoclase, Italy.....	
1	Sunstone, Norway.....	
1	Sunstone, Turkey.....	
2	Agates, Germany.....	
1	Dendrite, Germany.....	
1	Sulphate lead (Anglesite) Sardinia.....	
1	Celestite, Italy.....	
1	Anglesite, New South Wales.....	
1	Azurite Copper, France.....	
1	Anglesite, Sardinia.....	

Articles

Price

1 Cinnabar, Mercury, Spain.....	
1 Stilbite, Iceland.....	
3 Agates, Brazil.....	
4 Onyx.....	
1 Zinc, sphalerite, Alston Moor, England.....	
3 Calcite Crystals, England.....	
2 Calcite Crystals, England.....	
1 Lead, Galena, Alston, England.....	
1 Lead and Blend Crystals, Pseudo, England.....	
1 Iron Kidney Ore, England.....	
1 Calcite, Hungary.....	
1 Lead and Quartz, Hungary.....	
1 Calcite, Lancashire, England.....	
1 Calcite, Durham, England.....	
1 Calcite, Lancashire, England.....	
1 Calcite, Lancashire, England.....	
1 Case.....	

CASE NO. 4

1 Large Aragonite, Italy.....	
1 Malachite, Broken Hills.....	
1 Periclone, Switzerland.....	
1 Stefferlite, Nassau, Germany.....	
1 Native lead, Sweden.....	
1 Sulphur, Sicily.....	
1 Linarite, England.....	
1 Japanese Marble Ball.....	
1 Sphaero Stilbite, Tasmania.....	
1 Cassiterite tin, Zinnwald, Bohemia.....	
1 Fluorite on Blend, England.....	
1 Galena-Lead, Neudorf, Harz.....	
1 Native silver, Norway.....	
1 Native Silver, Norway.....	
1 Calcite-pyrite, England.....	
1 Sphalerite, Zinc, Kapnic, Hungary.....	
1 Sphalerite, Zinc, Nailhead Spar, Alston, England.....	
1 Limonite, Pseudo-Pyrite, Australia.....	
1 Chrysoberyl, Moravia.....	
12 Agates, Brazil.....	
1 Onyx, Africa.....	
2 Shell, Cats Eye, Japan.....	
1 Diamond Crystal, Kimberly.....	
1 Phosgenite, Greece.....	
1 Aragonite, Floss Ferri, Hungary.....	
1 Smithsonite, Zinc Carbonate, Larium, Greece.....	
1 Quartz on Rhodonite, Hungary.....	
2 Calcite, Lancashire, England.....	
1 Calcite, Pseudo-Aragonite, Sicily.....	
1 Fluorite, England.....	
1 Stilbite, Iceland.....	
1 Cerussite, New South Wales.....	
1 Apophyllite, Mexico.....	
1 Epidote, France.....	
1 Calcite, Saxony.....	
1 Cryolite, Greenland.....	
1 Aragonite, Sicily.....	
1 Fluorite, Yellow, England.....	
1 Lead, Cornwall, England.....	

1 Fluorite, blue, large group, England.....	
1 Fluorite crystal 6" long, blue, England.....	
1 Fluorite group, purple, England.....	
1 Fluorite group, green.....	
1 Fluorite Crystal, Green, England.....	
4 Boxes assorted Fluorites, England.....	
1 Fluorite and Quartz, extra fine, England.....	
2 Fluorite group, blue, extra fine.....	
1 Fluorite group, blue, extra fine.....	
1 Show Case and plate glass shelves.....	

CASE NO. 6

English Calcite Crystals from Durham, Lancashire, Frizzington, Weardale, Egermont and other localities. Very large select specimens which could hardly be duplicated.

Top Shelf

11 Large specimens, back row.....	
16 Medium specimens, front.....	
14 Medium assorted, very rare forms.....	

Middle Shelf

10 Large specimens, assorted.....	
13 Medium size.....	

Bottom Shelf

10 Very large, fine specimens.....	
5 Medium size specimens.....	
Show Case and Plate Glass shelves.....	

CASE NO. 7

Top Shelf

1 Calcite, England.....	
1 Apophyllite, Bombay, Asia.....	
1 Calcite and Pyrite, England.....	
1 Fontainbleu Limestone Crystals, France.....	
1 Gypsum, Eiselen, Germany.....	
1 Heulandite, Stilbite, Iceland.....	
1 Zinc Sphalerite, Kapric, Hungary.....	
1 Calcite, Mexico.....	
1 Pearl Spar, Iron ore, England.....	
1 Calcite, England.....	
1 Sulphur Crystal, Sicily.....	
1 Fluorite, Green, England.....	
1 Calcite Crystal, England.....	
1 Sideronatrile, Chili.....	
1 Calcite, Bohemia.....	
1 Chabazite-Phacolite, Australia.....	
1 Molybdenite, Canada.....	
1 Aragonite-Flossferri, Victoria.....	
1 Phacolite, Crystal, Victoria.....	
1 Stilbite, Iceland.....	
1 Fluorite and quartz, England.....	
1 Calcite, Butterfly Twin, England.....	

Articles

Price

1 Siderite-Quartz, France.....		
1 Aragonite, Austria.....		
1 Sphalerite-Zinc, Alston, England.....		
1 Gmelinite, Flinders Island, Tasmania.....		
1 Amethyst, Hungary.....		
1 Analcite, Tasmania.....		
1 Chabazite-Phacolite, Victoria.....		
1 Stibnite Crystal, Japan.....		
1 Huelandite, Iceland.....		
1 Azurite and Smithsonite, Greece.....		
1 Calcite, Colored by Cobalt, Saxony.....		
Middle Shelf		
1 Calcite, Crystal Group, England.....		
1 Barite, Hungary or Bohemia.....		
1 Iron on Pearl spar, England.....		
1 Smithsonite Zinc, Greece.....		
1 Calcite Group, England.....		
1 Haulandite, Tyrol.....		
1 Pearl Spar, England.....		
1 Quartz and Lead, Andreasberg, England.....		
1 Calcite Group.....		
1 Calcite Groups.....		
1 Calcite Groups.....		
1 Calcite Groups.....		
1 Calcite, England.....		
1 Hematite, Iron, Isle Elba.....		
1 Smithsonite Zinc Ore, Greece.....		
1 Hematite iron on spar, England.....		
1 Tourmaline Group, Ontario.....		
1 Barite, large group, England.....		
1 Sulphur Crystals, Sicily.....		
1 Lapis Lazuli, Chili.....		
1 Large Agate, polished, Brazil.....		
1 Large Agate, polished, Brazil.....		
1 Zinc-Blende and Lead Pseudo, England.....		
1 Apophyllite, Mexico.....		
1 Chabyzite-Phacolite, Victoria.....		
1 Amethyst and Calcite, Mexico.....		
1 Stibnite-Antimony, Germany.....		
1 Celestite and sulphur, Sicily.....		
1 Smithsonite Zinc, polished, Greece.....		
Bottom Shelf		
1 Zinc Blende, large, Germany.....		
1 Baryto Calcite, large, England.....		
1 Antimony Calcite, Treiberg, Germany.....		
1 Mica-Crystals, large, Canada.....		
1 Mexican Onyx, large, polished, Mexico.....		
1 Calcite, Lancashire, England.....		
1 Calcite, Durham, England.....		
1 Zinc Blende-Pyrite, Hungary.....		
1 Calcite Group, large, England.....		
1 Quartz and Fluorite, England.....		
1 Calcite, large crystal, England.....		
1 Calcite, England.....		
1 Calcite, England.....		
1 Calcite, Frizzington, England.....		
1 Calcite, Lancashire, England.....		
1 Calcite, Durham, England.....		
1 Iron ore, kidney ore, Englaud.....		
Show Case.....		

CASE NO. 8

Top Shelf

1 Gold ore, Transylvania.....	
1 Hyalite Opal, Mexico.....	
1 Calcite, Hungary.....	
1 Lead in Quartz, England.....	
1 Beauxite, Austria.....	
1 Pearl Spar and Pyrite, Hungary.....	
1 Idocrase, Tyrol.....	
1 Fluorite and siderite, England.....	
1 Smithsonite zinc, Greece.....	
1 Calcite, Bohemia.....	
1 Feldspar, Hungary.....	
1 Apatite Crystal, Canada.....	
1 Fluorite and quartz, large, England.....	
1 Barite-Calcite, large, England.....	
1 Barite and Stibnite, Bohemia.....	
1 Calcite, England.....	
1 Tridymite, Italy.....	
1 Petalite, Sweden.....	
1 Epidote, Tyrol.....	
1 Turnerite, Switzerland.....	
1 Calcite, Lancashire, England.....	
1 Quartz, Iceland.....	
1 Copper ore, Chili.....	
1 Pseudo-Malachite, Germany.....	
1 Spinel-Pleonaste (Ceylonite) Italy.....	
1 Melonite, Italy.....	
1 Muscovite, Fleimsthal.....	
1 Calcite, England.....	
1 Tetrahedrite, Hungary.....	
1 Clinocllore, Switzerland.....	
1 Calcite Crystals, Mexico.....	
1 Calcite Crystals, Egermont, England.....	
1 Calcite Crystals, Egermont, England.....	
1 Ptilolote, Iceland.....	
1 Barite crystal, England.....	
1 Nickel Pyrite, Hungary.....	
1 Calcite, England.....	
1 Calcite and Pyrite, England.....	
1 Allophane, Juk Gomer, Greenland.....	
1 Malachite, copper carb., Australia.....	
1 Cyanite crystals, Switzerland.....	
1 Calcite crystals, England.....	
1 Apophyllite-Amethyst, Mexico.....	
1 Sphalerite, zinc blend, Spain.....	
1 Cinnabar, Spain.....	
1 Calcite and Fluorite, England.....	
1 Fluorite, purple group and lead, England.....	
1 Sulphur crystals, Sicily.....	
1 Adamite, zinc ore, Greece.....	
1 Pyrite on Calcite, England.....	
1 Amethyst, Hungary.....	
1 Slickensides and lead, England.....	
1 Apatite, Bohemia.....	
1 Malachite, polished, Siberia.....	
1 Cerrusite, Broken Hills.....	
1 Selenite, Twin Crystals, Thurugre.....	
1 Obsidian, polished, Italy.....	
1 Phantom Barite, England.....	

Articles

Price

1 Cerussite, Germany.....	
1 Meliphanite, Norway.....	
1 Heulandite, Iceland.....	
1 Plumosite, Hungary.....	
1 Hedeophane.....	
Bottom Shelf	
1 Calcite, large red tinted, England.....	
1 Calcite, large red tinted, England.....	
1 Calcite, large group, England.....	
1 Calcite, large group, England.....	
1 Calcite, large tinted shade, England.....	
1 Calcite, large tinted shade, England.....	
1 Calcite, large, England.....	
1 Baryto calcite, England.....	
1 Calcite, very large group, England.....	
1 Baryto calcite, England.....	
1 Calcanthite, Chili.....	
1 Chabozite, Nova Scotia.....	
1 Quartz, Amethyst, Bohemia.....	
1 Serpentine, Bohemia.....	
1 Iron Pyrite, Germany.....	
1 Axinite, Switzerland.....	
1 Tridymite, Italy.....	
1 Calcite and iron, Bohemia.....	
1 Calcite and pyrite, Bohemia.....	
1 Cobaltite, South Australia.....	
1 Arsenopyrite, Bohemia.....	
1 Orthoclase, Carlsbad.....	
1 Sprudelstein, Carlsbad.....	
1 Sphaero Siderite, Bohemia.....	
1 Alabandite, Bohemia.....	
1 Baryte Calcite, Hungary.....	
1 Copper Glance, Bohemia.....	
1 Zinc Smithsonite, Greece.....	
1 Calcite-Quartz, England.....	
1 Cyanite, Switzerland.....	
1 Pudding Stone, Canada.....	
1 Calcite Crystals, Bohemia.....	
1 Atacamite, Chili.....	
1 Bornite, Australia.....	
1 Garnet, Bohemia.....	
1 Lillite, Bohemia.....	
1 Lead and Quartz, Andreasberg, Germany.....	
1 Jamesonite, Bohemia.....	
1 Linarite, England.....	
1 Orthoclase, Italy.....	
1 Atacamite, England.....	
1 Apophyllite, Bohemia.....	
1 Calcite Group, England.....	
1 Barite-Calcite, England.....	
1 Phosphate of Lime, Canada.....	
1 Galenite Crystals, Weissberg, Bohemia.....	
1 Barite-Calcite, Hungary.....	
1 Azurite, Australia.....	
1 Zinc-Smithsonite, Laurium, Greece.....	
1 Smoky Quartz, Switzerland.....	
1 Pearl Spar and Pyrite, Hungary.....	
1 Graphite, large piece, Ceylon.....	
1 Arragonite, England.....	
1 Wavellite, Bohemia.....	
1 Helvite, Hungary.....	
1 Tridymite, Italy.....	

Articles

Price

1 Calcite, England.....	
1 Calcite, England.....	
1 Chabazite and Heulandite, Nova Scotia.....	
1 Chabazite, Victoria.....	
1 Apatite, Saxony.....	
1 Calcite-Pyrites, Bohemia.....	
1 Zoisite-Thulite, Norway.....	
1 Satin Spar, England.....	
1 Strengite, Nassau, Germany.....	
1 Apatite and Epidote, Tyrol.....	
1 Connarite and Rattisite, Voigtland.....	
1 Copper ore, "McDermert" Cornwall, England.....	
1 Embolite, Silver ore, South Wales.....	
1 Manganite, Germany.....	
1 Quartz and Iron, England.....	
1 Stilbite, Nova Scotia.....	
1 Alabandite and Rodochrosite, Transylvania.....	
1 Scarlet quartz on Iron, England.....	
1 Stilbite, Poonah, India.....	
1 Phillipsite and Phacolite, Victoria.....	
1 Opal Hyalite, Bohemia.....	
1 Ralstonite, Greenland.....	
1 Barite Crystals, England.....	
1 Mesolyte, Tasmania.....	
1 Native Arsenic, Bohemia.....	
1 Box foreign gems, specimens and minerals 24 pcs.	
1 Jarosite, Spain.....	
1 Topazolite, Italy.....	
1 Calcite, small group, England.....	
1 Adularia, St. Gothard.....	
1 Gypsum, Italy.....	
1 Hyalite Opal, Mexico.....	
1 Prase, Germany.....	
Lower Case on Floor No. 8 A.	
1 Red Obsidian.....	
1 Very large calcite group, England.....	
1 Very large calcite group, England.....	
1 Medium size calcite group, England.....	
1 Medium size calcite group, England.....	
1 Medium size Calcite and Pyrite group, England.....	
1 Quartz and Lead, England.....	
Show Case and Glass Shelves.....	
1 Globe on top.....	
Assorted Trays and Boxes.....	

CASE NO. 9

Top Shelf.

1 Epidote, France.....	
1 Barite Crystal, England.....	
1 Barite, large blue, Friezington, England.....	
1 Barite and Calcite, England.....	
1 Blend and Pseudomorph Quartz, England.....	
1 Titanite, Switzerland.....	
1 Natrolite, Bohemia.....	
1 Quartz calcite, Mexico.....	
1 Mimetite, England.....	
1 Heulandite, Iceland.....	

Articles

Price

1 Zinc Blend, polished, Freiberg.....	
1 Zinc and Lead, polished, Freiberg.....	
1 Iron Ore, England.....	
1 Tetrahedrite, England.....	
1 Fountainebleau Limestone, France.....	
1 Calcite, Strontain Calcite, N. S. Wales.....	
1 Calcite Crystals, England.....	
1 Fluorite group, England.....	
1 Fluorite, large xl, England.....	
1 Fluorite, large group, England.....	
1 Fluorite, large group, England.....	
1 Fluorite Crystals, England.....	
1 Fluorite Crystals, ".....	
1 Fluorite Crystals, ".....	
1 Fluorite Crystals, ".....	
1 Thulite, polished, Sweden.....	
1 Topaz, Siberia.....	
1 Opal, Australia.....	
1 Crocodillite Tiger Eye, Africa.....	
2 Opals, polished, Australia.....	
1 Quartz and Rutile, polished, Africa.....	
1 Obsidian, Mt. Vesuvius.....	
1 Zinc Carb "Peachblow", Greece.....	
1 Malachite, polished, Russia.....	
1 Iron, Isle Elba.....	
1 Piece Oblisk Synite, Egypt.....	
1 Lead ore, Japan.....	
1 Pyromorphite, Scotland.....	
1 Leadhillite, Scotland.....	
2 Aragonite, Crystals, France.....	
1 Jade, New Zealand.....	
1 Jasper, Siberia.....	
1 Zinc-carb, polished, Greece.....	
1 Barite Crystals, Saxony.....	
1 Barite crystals, Bohemia.....	
1 Gypsum crystal, Italy.....	
1 Agate, Brazil.....	
1 Agate, square cut, Brazil.....	
1 Moss Agate, Bombay, Asia.....	
1 Bloodstone, Ceylon.....	
1 Malachite, polished, Siberia.....	
1 Quartz, polished, Madagascar.....	
1 Gold Nugget, Australia.....	
1 Emerald Crystal, Bolivia, S. A.....	
1 Corundum Crystal, India.....	
1 Erythrite, Siberia.....	
1 Lanarkite, Scotland.....	
1 Pink Fluorite, Switzerland.....	
1 Topaz, twins, black and white, Russia.....	
3 Leadhillite, Scotland.....	
1 Pyrostilpnite, Harz, Germany.....	
1 Pyromorphite, Em, Germany.....	
1 Bismutite, Saxony.....	
1 Caledorite, Scotland.....	
1 Antimony, New Brunswick.....	
1 Lead-Tin, Bolivia, S. A.....	
1 Slab quartz and rutile, Africa.....	
1 Agate, polished, Brazil.....	
1 Calcite, Lancashire, England.....	
1 Pink Barite, Bohemia.....	
1 Allemnontite, France.....	

Articles**Price****Bottom Shelf**

24 boxes assorted Mineral Ores.....	
4 Barites, mounted blocks, England.....	
1 Barite, large brown xls., England.....	
1 Barite and Calcite, large, England.....	
1 Barite, medium size, England.....	
2 Batites (front row), England.....	
1 Smithsonite Zinc, Laurium, Greece.....	
1 Barite, Felsobanya, Hungary.....	
1 Barite, large Crystals, Saxony.....	
1 Fluorite, large group, England.....	
1 Fluorite, medium, England.....	
Show Case and Glass Shelves.....	

CASE NO. 10. Assorted Foreign Specimens**Top Shelf**

9 Assorted specimens.....	
1 Barite, England.....	
1 Calcite, England.....	
1 Talc, Ontario.....	
1 Microcline, Norway.....	
1 Quartz, Nickel-Cobalt, Canada.....	
1 Nickel Ore, Canada.....	
1 Zinc-Carbonate, Greece.....	
1 Cobalt Ore, Canada.....	
1 Corundum, Ontario.....	

2nd Shelf

1 Copper Ore, Ontario.....	
1 Calcite, England.....	
1 Iron and Quartz, England.....	
1 Marble, Canada.....	
1 Martite, Canada.....	
1 Nickel Pyrites, Canada.....	
1 Asbestos, Ore, Canada.....	
1 Pyrite, Canada.....	
1 Feld Spar, Canada.....	
1 Zinc blend and spar, England.....	
1 Cyrolite, Greenland.....	
1 Tetrahedrite, Hungary.....	
1 Cobalt and Nickel, Ontario.....	
1 Pyrite and zinc blende, Hungary.....	
1 Quartz with Iron, England.....	
1 Zinc Smithsonite, polished, Greece.....	
1 Iron-Hematite, England.....	
1 Pyrolusite, Nova Scotia.....	

3rd Shelf

1 Fluorite and Blende, England.....	
1 Anhydrite, Bohemia.....	
1 Blende-Zinc, England.....	
1 Smithsonite Zinc, Greece.....	
1 Aragonite, England.....	
1 Obsidian, Mediterranean Sea.....	
1 Pyrite on Calcite, Bohemia.....	
1 Anhydrite, Carinthia.....	
1 Calcite and Quartz, Hungary.....	
1 Garnet, Hungary.....	
1 Chalk Cliff, Dover, England.....	
1 Appophyllite, Bohemia.....	

Articles

Price

1	Wolframite, Bohemia	
1	Iron, England	
1	Phacolite, Victoria	
1	Stilbite, Victoria	
1	Pearl Spar, England	
1	Cylinderite, Lead, etc., Bolivia, S. A.	
1	Calcite Crystals, Sicily	
1	Calcite and Iron, Bohemia	
1	Aeschyrte, Iron, etc., Norway	
1	Ganomalite, Sweden	
1	Cryolite, Greenland	
1	Grouchulte, Schleswig	
1	Golden Pearl Spar, England	
1	Ankerite, England	
1	Smithsonite, N. S. Wales	
1	Iron and Quartz, England	
1	Aragonite, Carlsbad	
1	Anglesite, Lead Sulphate, Sardinia	
1	Sylvanite, Transylvania	
1	Datolite, Mt. Vecchio	
1	Brandite, Sweden	
1	Ilmenite, Norway	
1	Calcite and Pyrite, Bohemia	
1	Stibnite Antimony, Hungary	
1	Calcite, England	
1	Tridymite, Italy	
1	Gypsum, Teplitz	
1	Zinc Silicate, Calamine, Laurium, Greece	
1	Serpentine, Chrysotile, Silesia	
1	Cyanite crystals, Switzerland	
1	Sylvanite, Transylvania	
1	Aragonite	
1	Calcite and Cobalt	
1	Aragonite, England	
1	Celestite, England	
1	Zinc-carb, Laurium, Greece	
1	Calcite, Bohemia	
1	Cylindrite, Bolivia, S. A.	
1	Scolecite, Iceland	
1	Sprudelstein, Carlsbad	
1	Quartz and Iron, England	
1	Malachite, Siberia	
1	Tetrahedrite, Hungary	
Case	

CASE NO. 11

8	Pcs Canada	
1	Quartz and Iron, England	
1	Nickel Ore, Ontario	
1	Corundum, Ontario	
1	Pyrites, Ontario	
1	Marble, polished, Canada	
1	Asbestos, Canada	
1	Nickel Ore, Canada	
1	Corundum, Canada	
1	Chalk, Canada	
1	Stilbite, Iceland	

1 Pyroxene, Renfrew, Canada.....	
1 Beryl, Canada.....	
1 Garnet, Grossularite, Canada.....	
1 Barite, England.....	
1 Pyrite and Calcite, England.....	
1 Graphite, Ontario.....	
1 Corundum, Ontario.....	
1 Calcite and Pyrite, England.....	
1 Cube Rock Salt, Poland.....	
1 Calcite.....	
1 Zinc Carb, Larium, Greece.....	
1 Silver-Copper, Brazil.....	
1 Quartz and Calcite, England.....	
1 Marble, Australia.....	
1 Calcite, England.....	
1 Calcite, England.....	
1 Calcite, England.....	
1 Hematite Iron, England.....	
1 Dover Cliff Chalk.....	
1 Pyrrhotite, Germany.....	
1 Calcite, Bohemia.....	
1 Nickel ore, Ontario.....	
1 Corundum, Canada.....	
1 Bismuth, Saxony.....	
1 Tourmaline or Hornblende, Canada.....	
1 Prehnite Epidote, Austria.....	
1 Pyrite and Calcite, England.....	
1 Anhydrite, Corinthia.....	
1 Pyrrhotite, Iron.....	
1 Barite, England.....	
1 Rock Salt, Germany.....	
1 Iron on Quartz, England.....	
1 Perthite, polished, Canada.....	
1 Antimony, Hungary.....	
1 Sunstone, large, polished, Norway.....	
1 Garnet Crystals, Alaska.....	
1 Quartz and Pyrites, Bohemia.....	
1 Erzbergite, polished, Hungary.....	
1 Cobaltite, Sweden.....	
1 Calcite Crystals on Quartz xls, Mexico.....	
1 Celestite, England.....	
1 Calcite and Lillite, Bohemia.....	
1 Siderite and Cryolite, Greenland.....	
1 Stannite, Tin, Cornwall, England.....	
1 Stannite, Tin, Australia.....	
1 Vessuvianite.....	
1 Serpentine, Zinc, Greece.....	
1 Copper-Nickel, Ontario.....	
1 Fluorite, Weardale, England.....	
1 Fluorite, Weardale, England.....	
1 Gypsum, Canada.....	
1 Hematite, Elba Isle.....	
1 Calcite on Fluorite, England.....	
1 Calcite, Pzbram, England.....	
1 Calcite, England.....	
1 Rhodonite (Pajsbergite) Sweden.....	
1 Andesine, Saccherite, Siberia.....	
1 Chalk Cliff, Dover, England.....	
1 Hauynite, near Rome, Italy.....	
1 Calcite, Bohemia.....	
1 Thomsenolite, Ivigtuk, Greenland.....	
1 Pyrites, Cornwall, England.....	

1 Nickel Ore, Ontario.....	
1 Vivianite ore, Victoria.....	
1 Jamesonite, Bohemia.....	
1 Pyrite on Iron Ore, England.....	
1 Calcite Crystals, Bohemia.....	
1 Ferro Calcite, Victoria.....	
1 Pyrite on Iron, England.....	
1 Calcite and Pyrites, Bohemia.....	
1 Lead Ore, Cornwall, England.....	
1 Tin Ore, Cornwall, England.....	
1 Tin Ore, Cassitterite, England.....	
1 Tin Ore, Cassitterite, Australia.....	
1 Opal Crystals, Hungary.....	
1 Heulandite, Iceland.....	
1 Calcite, Crystals, Bohemia.....	
Case, blocks, etc.....	

CASE NO. 12

1 Aragonite, Colorado.....	
1 Wardite-Nariscite, Utah.....	
1 Copper Drips "Anaconda" Butte, Montana.....	
1 Azurite Copper, Arizona.....	
1 Quartz xl, Arkansas.....	
1 Serpentine, polished.....	
1 Rhodonite, Franklin Furnace, New Jersey.....	
1 Phlogopite, Franklin Furnace, New Jersey.....	
1 Native Silver in box, Bisbee, Arizona.....	
1 Native Silver, Michigan.....	
1 Pyrite Crystal on stand.....	
1 Pyrite, ordinary.....	
1 Pyrite, ordinary.....	
2 Bottles Pyrite and Gold Ore.....	
1 Native Silver, Mexico.....	
1 Native Silver, Mexico.....	
1 Calcite Crystal and Sand, S. Dakota.....	
1 Bottle Sand, Michigan.....	
1 Band Sandstone.....	
1 Corundum.....	
1 Calcite, Maumee, Ark.....	
1 Epidote, Alaska.....	
1 Native Copper, New Mexico.....	
1 Gold Ore-Fluorite, Cripple Creek.....	
1 Native Copper, Michigan.....	
1 Native Copper, Canaanee, Mexico.....	
1 Silver and Copper, Michigan.....	
1 Silver and Copper, Tree Crystal Hecla, Calumet, Mich.....	
1 Native Gold Ore, Amador, Calif.....	
1 Native Gold Ore, California.....	
1 Native Copper, Arizona.....	
1 Native Copper, New Mexico.....	
1 Native Silver and Spalerite, Arizona.....	
1 Wulfenite, New Mexico.....	
1 Wulfenite, New Mexico.....	
1 Wulfenite, Arizona.....	
1 Pyromorphite, N. Carolina.....	
1 "Smuggler Ore" Silver, Colorado.....	
1 Mormon Temple Granite.....	

Articles

Price

1	Aragonite, Colorado.....	
1	Chalcedony, Wyoming.....	
1	Amazon Stone, Colorado.....	
3	Sapphires and Garnets, Montana.....	
1	Moss Agate, Wyoming.....	
1	Calamine, Joplin, Mo.....	
1	Large Pyrites Crystals, Utah.....	
1	Large Crystal Pyrites, Colorado.....	
1	Large Crystal Pyrites, Colorado.....	
1	Large Crystal Pyrites, Colorado.....	
8	Small Crystal Pyrites, Colorado.....	
1	Large Cubes Galena on Dolomite, Joplin, Mo.....	
1	Large Calcite Crystal, Joplin, Mo.....	
1	Gold Ore, Cripple Creek.....	
3	Gold Ores, Cripple Creek.....	
1	Gold Ore, Nova Scotia.....	
1	Gold Ore Quartz, Holy Terror, S. Dakota.....	
1	Gold Ore Quartz, California.....	
1	Gold Ore and Tellurite-Fluorite, Colorado.....	
1	Nugget Gold, Alaska.....	
1	Nugget Gold, Alaska.....	
1	Nugget Gold, Oregon.....	
1	Gold Ore, Michigan.....	
1	Gold Ore, Granite, Portland, Cripple Creek.....	
1	Gold on Funracc Muffle Retort, Cripple Creek.....	
1	Zinc-Carbonate Crystal, Pseudo, Joplin, Mo.....	
1	Geode Quartz, Florida.....	
1	Geode Quartz, Iowa.....	
1	Sodalite, polished, Maine.....	
1	Geode, Native Copper, Michigan.....	
1	Silver and Copper Ore, Cuba.....	
1	Uthillite-Variscite, polished, Utah.....	
1	Vanadinite, Crystals, New Mexico.....	
1	Vanadinite, Crystals, New Mexico.....	
1	Vanadinite, Crystals, New Mexico.....	
1	Desclosite, Crystals, New Mexico.....	
1	Cerussite and Wulfenite, Dome, Arizona.....	
1	Gothite, Michigan.....	
1	Wulfenite Crystals, Nevada.....	
1	Cerussite, Leadville, Colo.....	
1	Aurichalcite, Copper Queen, Arizona.....	
1	Cuprite, Crystals, Copper Queen, Arizona.....	
1	Vanadinite Crystals, Yuma, Arizona.....	
1	Wulfenite Crystals, New Mexico.....	
1	Cerussite, Crystals, Card Lead, Penn.....	
1	Pyromorphite, Phosphate Lead, Penn.....	
1	Wulfenite, New Mexico.....	
1	Sphalerite Zinc, Connecticut.....	
1	Wulfenite, New Mexico.....	
1	Lode Stone Magnet, Arkansas.....	
1	Wulfenite, New Mexico.....	
1	Large slab Malachite Copper, Arizona.....	
1	Large Malachite and Azurite-Copper Queen, Ariz.....	
1	Large Malachite and Azurite-Copper Queen, Ariz.....	
1	Large Malachite and Azurite-Copper Queen, Ariz.....	
1	Large Malachite and Azurite-Copper Queen, Ariz.....	
1	Large Native Copper Crystal, Calumet and Hecla, Mich.....	
1	Large Crystal, Franklinite, N. J.....	
1	Large Crystal, Franklinite, N. J.....	
1	Rutile Crystals, Georgia.....	
1	Willemitte and Franklinite, N. J.....	
1	Wulfenite, Eureka, Nevada.....	

Articles

Price

1 Group Lead Crystals, Joplin, Mo.....	
1 Large Copper Queen Malachite, Arizona.....	
1 Smaller Copper Queen Malachite, Arizona.....	
1 Large Rhodonite Crystals, Colorado.....	
1 Pyromorphite, Penn.....	
1 Willemite Zinc, polished, N. J.....	
1 Uvarovite Garnet, Canada.....	
1 Vanadinite, New Mexico.....	
1 Wulfenite, New Mexico.....	
1 Parisite Crystals, Montana.....	
1 Silver Ore.....	
1 Garnet-Grossularite, Mexico.....	
1 Calcite Group, Maumee, Ark.....	
1 Zinc Silicate, polished, New Mexico.....	
1 Aragonite, Colorado.....	
1 Apatite in Albite, Maine.....	
2 Calcite Crystals, very fine, Maumee, Ark.....	
1 Black Tourmaline in Quartz, Colorado.....	
1 Lead Crystals, Galena, Ill.....	
1 Vanadite, New Mexico.....	
1 Large Willemite and Troostite, Franklin, N. J.....	
1 Willemite and Zincite, Franklin, New Jersey.....	
1 Willemite and Franklinite, Franklin, New Jersey.....	
1 Margarite, Chester, Mass.....	
1 Pyrite on Coal, Ill.....	
1 Cookite, Maine.....	
1 Tetrahedrite, Utah.....	
1 Chabazite, Nova Scotia.....	
1 Franklenite, Crystals, N. J.....	
1 Molybdate of Lead, Southampton, Mass.....	
1 Calcite Crystals, Mexico.....	
1 Onyx, Arkansas.....	
1 Onyx, Missouri.....	
1 Tourmaline Pink.....	
1 Quartz Crystal, N. Carolina.....	
1 Serpentine, polished, N. J.....	
1 Geode, Iowa.....	
1 Large Calcite, Wheatly Wine, Penn.....	
1 Large Cummingtonite, Penn.....	
1 Large Copper Ore, Idaho.....	
1 Large Copper Ore, Idaho.....	
1 Lead Ore, Idaho.....	
1 Copper Ore, Montana.....	
1 Zinc and Calcite, Joplin, Mo.....	
1 Smoky Quartz and Amazon Stone, Colorado.....	
1 Calcite, New Jersey.....	
1 Copper Ore, Oregon.....	
1 Zinc Ore, Maumee, Ark.....	
1 Onyx Slab, polished, Pulaski, Mo.....	
1 Clock of Colorado minerals, etc.....	
1 Pan American Buffalo.....	
1 Pee. Flexible Stone, North Carolina.....	
1 Apatite-Calcium phosphate, S. Dakota.....	
1 Tin ore, Black Hills.....	
1 Mica, Penn.....	
Case, shelves and Boxes.....	

Top Shelf

Top Shelf

- 1 Amethyst, Natural Crystal, Penn.
- 2 Amethyst, Natural Crystal, Colorado.
- 1 Amethyst, Natural Crystal, Colorado.
- 3 Amethyst, Natural Group, Montana.
- 1 Smoky Quartz Enclosing Tourmaline, Montana.
- 1 Quartz Group, Arkansas.
- 1 Quartz, Crystals in Limestone, Herkimer, N. Y.
- 1 Geode Quartz, Iowa.
- 1 Greenockite, Pennsylvania.
- 1 Topaz, group, Montana.
- 1 Topaz, group in Amazon Stone, Colorado.
- 1 Quartz Crystal, group, Herkimer, New York.
- 1 Quartz Crystal, " "
- 1 Quartz Crystal, Alexander, North Carolina.
- 1 Epidote, large crystal, Alaska.
- 1 Turquoise, New Mexico.
- 1 Fluorite, cleavage crystal, New Hampshire.
- 1 Topaz in Rhyolite, Utah.
- 1 Pink Tourmaline, Mesa Grande, California.
- 1 Rutillated Quartz, polished, North Carolina.
- 2 Gold Ore in quartz, Montana and California.
- 1 Corundum, ruby pink, North Carolina.
- 1 Pink Tourmaline, very large, California.
- 1 Variscite, Wardite, polished, Utah.
- 1 Tourmaline, black crystals, Vermont.
- 1 Native Silver, Leadville, Colorado.
- 1 Beryl crystal, New Hampshire.
- 2 Tourmaline, large crystals, Maine.
- 1 Rutile Group crystals, Georgia.
- 1 Silver-Copper Ore, Whitehouse, Alaska.
- 1 Garnet, group crystals, Maine.
- 1 Calcite crystal, Mexico.
- 1 Crocidolite, pink, Colorado.
- 1 Marcassite, Indiana.
- 1 Petrified Wood, Pine, Nevada.

Second Shelf

- 1 Box, 4 Yellow Topaz, cut.
- 1 Box, Turquoise Heads and 1 piece rough, New Mexico.
- 1 Williamsite, polished, Pennsylvania.
- 1 Thompsonite, polished, Michigan.
- 1 Ruby Matrix, polished, North Carolina.
- 1 Amazon Stone, polished, Colorado.
- 1 Rutile in Quartz, polished, North Carolina.
- 6 Sapphires, rough, Montana.
- 1 Sapphire, cut gem, Montana.
- 1 Cinnabar, cut gem, California.
- 1 Sodalite, cut gem, Canada.
- 1 Moss Agate, cut, Michigan.
- 2 Ruby Corundum, cut, North Carolina.
- 6 Quartz Crystals, Herkimer, New York.
- 1 Malachite, cut and polished, Colorado.
- 1 Azurite, cut and polished, Arizona.
- 12 Assorted colors, Quartz and Topaz, cut, Colorado.
- 3 Amethysts, cut gems, California.
- 2 Amethyst Crystals, California.
- 1 Box 10 Quartz Crystals, Herkimer, New York.
- 1 Opal, polished, Idaho.

3	Pearls.....	
1	Dish and Pearls, Arkansas.....	
1	Blue Sodalite, cut gem.....	
2	Carbucle Onyx, cut gems.....	
1	Blue Tourmaline, cut gem, Maine.....	
1	Rose Tourmaline, fine cut gem, California.....	
2	Blue Tourmaline, fine cut gems, California.....	
1	Green Tourmaline, large fine cut gem, California.....	
1	Pink Tourmaline, cut gem, California.....	
1	Dark Grey Tourmaline, cut gem, California.....	
5	Quartz, cut and polished, Arkansas.....	
1	Quartz, large cut gem, Arkansas.....	
3	Amethyst, cut and polished, Pennsylvania.....	
6	Quartz, cut and polished.....	
3	Pearls, Mississippi.....	
4	Turquoise, small polished.....	
1	Box Garnets and 4 polished gems.....	
1	Pink Tourmaline, large, California.....	
1	Box 10 Amethysts, large and small, California.....	
1	Beryl Crystal, rough, California.....	
1	Beryl, rough cut gem, ".....	
1	Beryl, rough cut gem, ".....	
1	Serpentine, polished, Vermont.....	
1	Rose Quartz, polished, Black Hills.....	
1	Oligoclase, rough and 1 cut gem, North Carolina.....	
1	Beryl, Rose, rough and 1 cut gem, California.....	
1	Kunzite, rough and 1 cut gem, California.....	
1	Amethyst, crystal and water marks, Michigan.....	
1	Garnet, specimen, Pennsylvania.....	
1	Beryl, specimen, green, Maine.....	
1	Calcite, Copper Queen, cut.....	
1	Willemite, polished, phosphorescent, New Jersey.....	
1	Moss Agate, Wyoming.....	
1	Calcite, Geode, South Dakota.....	
1	Chalcedony, polished, California.....	
1	Chlorastrolite, polished, Michigan.....	
2	Chlaxtolite, crystals, California.....	
1	Box Agates, four, cut, California.....	
1	Box, 3 Sapphires, rough, Montana.....	
1	Box Rocky Mt. Quartz, crystals.....	
1	Box, Essonite, polished.....	
2	Garnets in box, crystals.....	
1	Serpentine Cup and lot of Pearl Slugs.....	
1	Wood tray with assorted cut gems, etc.....	
1	Glass with 11 assorted Tourmalines.....	
11	Polished and cut gems from Brazil, California and Maine also from Mesa Grande, California.....	
24	Crystals and pieces of Tourmaline from Connecticut and Maine.....	
1	Sunstone, polished, Pennsylvania.....	
1	Moss Agate, Yellow Stone Park.....	
1	Serpentine, Hoboken, New Jersey.....	
1	Amazon Stone, Pikes Peak.....	
1	Agate, Montana.....	
1	Chalcedony, Heart, polished, Mexico.....	
2	Agates, Mexico.....	
1	Camellian, polished, Brazil.....	
1	Amazon Stone, Virginia.....	
1	Prehnite, New Jersey.....	
1	Moon Stone, Penn.....	
1	Amethyst, Brazil.....	
1	Moon Stone, Penn.....	

Articles

Price

1 Serpentine, Rhode Island.....	
1 Lepidolite, Mesa Grande, Calif.....	
1 Moss Agate, Yellow Stone Park.....	
1 Satin Spar, Niagara Falls.....	
1 Agate, Yellow Stone Park.....	
1 Essonite, Colorado.....	
1 Amazon Stone, Colorado.....	
1 Agate, Colorado.....	
1 Lepidolite, Mesa Grande, Calif.....	
1 Calamine, New Jersey.....	
2 Radium Salts in bottle points.....	
Third Shelf	
1 Gold in Quartz, very fine, Calif.....	
1 Pyrite from coal fields, Illinois.....	
1 Vanadinite, New Mexico.....	
1 Vanadinite, Arizona.....	
1 Silver Nugget, Mollie Gibson, Colorado.....	
1 Quartz, twin phantom crystal, Ark.....	
1 Calamine, New Jersey.....	
1 Topaz and Amazon Stone, Pikes Peak.....	
1 Cerussite and Wulfenite on Fluorite, Arizona.....	
1 Pink Tourmaline, Maine.....	
1 Zircon Crystal, Canada.....	
1 Rhodochrosite, Colorado.....	
1 Carborundum, crystals, Niagara.....	
1 Franklinite Crystal, N. J.....	
1 Onyx, Pulaski, Co., Mo.....	
1 Cerussite Crystals, Colorado.....	
1 Cerussite Crystals, Penn.....	
1 Wulfenite, yellow, Nevada.....	
2 Calcite Crystals, Maumee, Ark.....	
1 Cerussite Crystals, N. Carolina.....	
1 Cerussite Crystals, Penn.....	
1 Quartz, Rutile, Vermont.....	
1 Serpentine, polished, N. J.....	
1 Bowenite, Rhode Island.....	
1 Calcite, Michigan.....	
1 Carborundum, large piece, Niagara.....	
1 Native Copper Crystal, Michigan.....	
1 Box Agates, assorted.....	
1 Gold Ore, Camp Bird, San Juan.....	
1 Ring Native Copper and Silver.....	
1 Wood Tray with Meteorites.....	
1 pce. Ste. Genevieve Meteorite, polished.....	
1 pce. Meteorite with Schreibersite, Alabama.....	
1 pce. Meteorite, Arizona.....	
1 pce. Meteorite, Mexico.....	
1 pce. Meteorite, Mexico.....	
1 pce. Meteorite, Kentucky.....	
1 pce. Meteorite, Kansas.....	
1 pce. Meteorite, Portugal.....	
1 pce. Winnebago, Iowa.....	
1 pce. Poland.....	
1 Crystal Quartz, Little Falls, N. Y.....	
Fourth Shelf	
1 Large Group Quartz Crystal, Ark.....	
1 Large Group Stalactite Onyx, Ark.....	
1 Banded Sandstone, S. Dakota.....	
1 Heulandite and Chabazite, Nova Scotia.....	
1 Cerussite "Catherine," Fredericktown, Mo.....	
1 Mormon Temple Granite.....	
1 Epidote Group, Alaska.....	

Articles

Price

2	Pyrite Crystals, Colorado	
1	Calaverite, Colorado	
1	Cerussite, Penn.	
1	Copper, 'North American' Fredericktown, Mo.	
1	Iron Pyrite, Colorado	
1	Quartz Crystals, N. C.	
1	Copper Queen Malachite, Arizona	
1	Smoky Quartz, Montana	
1	Iron Gothite, Michigan	
1	Quartz Crystal with Tourmaline, Montana	
1	Garnet on Lepidolite, Maine	
1	Copper-Azurite, Arizona	
9	Agates, assorted	
2	Agates, Brazil	
1	Green Agate, Brazil	
1	Blue Agate, Col.	
Bottom Shelf		
1	Zincite Crystal, very fine, N. J.	
1	Large petrified wood, polished, Arizona	
2	Medium petrified wood, polished	
1	Medium petrified Oat, Wyoming	
4	pcs. rough, Wyoming	
2	pcs. rough, N. C.	
1	pc. Onyx, Mexico	
	Show case, glass shelves, trays, boxes, etc.	

CASE NO. 14

Top Shelf

8	Specimens, assorted	
1	Dolomite Crystals, Joplin, Mo.	
1	Calcite Crystals, Joplin, Mo.	
1	Barytes Crystals, Potosi, Mo.	
1	Calcite Crystals, Doe Run, Mo.	
1	Calcite Crystals, Joplin, Mo.	
1	Copper Ore, Oregon	
1	Quartz, S. Dakota	
1	Galena Cubes Crystals, fine, Joplin, Mo.	
1	Calcite Violet Shade, Twin, Joplin, Mo.	
1	Calcite Group, Joplin, Mo.	

Second Shelf

1	Calcite and Zinc, Maumee, Ark	
1	Zinc Sphalerite, Joplin, Mo.	
1	Barite, crystals, Joplin, Mo.	
1	Lead and Pyrite, St. Jos. Lead Co., Bonne Terre, Mo.	
1	Bentonite, Wyoming	
1	Zinc Ore, Bertha, Va.	
1	Marcassite, Joplin, Mo.	
1	Silver Ore, Idaho	
1	Hematite Pipe Ore, Alabama	
1	Calcite, Joplin, Mo.	
1	Iron Crystals, Maryland	
1	Twin Crystal Calcite, Joplin, Mo.	
1	Zinc Rosin Jack Crystals, Joplin, Mo.	
1	Calcite Crystals	
1	Tourmaline Crystals, Maine,	
1	Copper Ore, Idaho	
1	Gypsum, Colorado	

Articles

Price

1 Tetrahedrite, Utah.....	
1 Lead and Zinc Crystals, fine, Joplin, Mo.....	
Third Shelf	
1 Zinc Ore, Maumee, Ark.....	
1 Cerussite, "Catherine Mines" Fredericktown, Mo.....	
1 Ruby Blende Zinc, Webb City, Mo.....	
1 Millerite, from Prof. W. B. Patten, St. Louis Co., Mo.....	
1 Calcite Group Crystals, Joplin, Mo.....	
1 Galena Group Crystals, Joplin, Mo.....	
1 Black Tourmaline Crystals, N. Y.....	
1 Lead and Zinc and Marcasite, Joplin, Mo.....	
1 Cerussite, "Catherine" Fredericktown, Mo.....	
1 Limestone-Cavity Lead, Flat River, Mo.....	
1 Large Galena Group Crystals, Joplin, Mo.....	
1 Franklinite Crystals, N. J.....	
1 Large Amazon Stone, Colorado.....	
1 Iron Furnace "Ed Harrison" 1870, Irondale, Mo.....	
1 Calcite Crystals Group, Michigan	
1 Native Copper Ore, Copper Crown, Mich.....	
1 Malachite, Arizona.....	
1 Rose Quartz, Black Hills, Dak.....	
1 Calcite Group, Maumee, Ark.....	
1 Silver and Copper, Bingham, Utah.....	
1 Iron Ore, New York.....	
Bottom Shelf	
1 Cassinite, Penn.....	
1 Copper Ore, Washington.....	
1 Pectolite, N. J.....	
1 Copper Ore, Oregon.....	
1 Gothite, Colorado.....	
1 Pyrites and Lead Sulphate, Fredericktown, Mo.....	
1 Stilbite, New Jersey.....	
1 Corundum, Georgia.....	
1 Schist and Pyrites, tin ore, Black Hills.....	
1 Zincite, New Jersey.....	
1 Pyrites Crystals, Utah.....	
1 Brochantite, Copper Silicate, Utah.....	
1 Lead Carbonate, "Catherine," Fredericktown, Mo.....	
1 Pudding Stone, S. Dakota.....	
1 Hexagonite, N. Y.....	
1 Quartz Crystals, N. Y.....	
1 Calcite and Millerite, Iowa.....	
1 Sphalerite and Crystals, Joplin, Mo.....	
1 Garnet Crystals, Maine.....	
1 Iron Crystals, Maryland.....	
1 Coquina Shells, Florida.....	
1 Calcite xl, Ste. Genevieve, Mo.....	
1 Clinachlore, Penn.....	
1 Asbestos, Canada.....	
1 Antimony, Calif.....	
1 Endlichite, New Mexico.....	
Case, blocks, etc.....	

CASE NO. 15

Top Shelf

10 Specimens.....	
1 Specimen Lead Slag, Doe Run, Mo.....	
1 Barytes, Potosi, Mo.....	

Articles

Price

1 Calcite and Blende, Joplin, Mo.....		
1 Calcite and Blende.....		
1 Corundum Crystals, Canada.....		
1 Zinc Smithsonite, Hopewell, Mo.....		
1 Blende Crystals, Webb City, Mo.....		
1 Calcite Crystals, Joplin, Mo.....		
1 Calcite, twin crystals, purple color, Joplin, Mo.....		
Second Shelf		
1 Calcite, Joplin, Mo.....		
1 Iron and Calcite, Alabama.....		
1 Iron Ore, Iron Mountain, Mo.....		
1 Lead Ore, Flat River, Mo.....		
1 Jeffersonite, N. J.....		
1 Craagonite, Arizona.....		
1 Calcite, Col. or Wyoming.....		
1 Dolomite, Joplin, Missouri.....		
1 Silver Ore, Idaho.....		
1 Chalcedony, Colorado.....		
1 Zinc and Dolomite, Joplin, Missouri.....		
1 Native Copper, Michigan.....		
1 Iron Pipe Ore, Michigan.....		
1 Copper, Oregon.....		
1 Calcite and Zinc, Missouri.....		
1 Zinc Ore, Maumee, Arkansas.....		
1 Lead Ore, Blodgett, Arkansas.....		
1 Calcite, Joplin, Missouri.....		
1 Iron Ore, Michigan.....		
1 Copper, Texas.....		
Third Shelf		
1 Calcite Group.....		
1 Galena and Calcite, Joplin, Mo.....		
1 Marble, quarry, St. Joe, Ark.....		
1 Lead Ore, DesArc, Mo.....		
1 Zinc and Calcite crystals.....		
1 Copper, Arizona.....		
1 Dolomite and Blend, Joplin, Mo.....		
1 Dolomite and Zinc, Ark.....		
1 Carborundum, Niagara.....		
1 Iron Ore, Michigan.....		
1 Calcite crystals, Joplin, Mo.....		
1 Pyrites, Colorado.....		
1 Calamine Zinc, Joplin, Mo.....		
1 Cuprite, Arizona.....		
1 Greenockite Calcite, Joplin, Mo.....		
1 Jack Ruby Blend, Joplin, Mo.....		
1 Galena, crystals fine, Joplin, Mo.....		
1 Calcite Crystals, Joplin, Mo.....		
1 Tetrahedrite, Utah.....		
1 Copper Ore, Washington.....		
1 Hematite, Alabama.....		
Bottom Shelf		
1 Galena and Calcite Crystals, Joplin, Mo.....		
1 Chrysocolls, Idaho.....		
1 Chalcedony, Wyoming.....		
1 Native Copper, Arizona.....		
1 Glass Works Specimen, Crystal City, Mo.....		
1 Silver Ore, Idaho.....		
1 Zinc Carb Crystals, Joplin, Mo.....		
1 Talc and Magnetite, N. Y.....		
1 Quartz, Arkansas.....		
1 Byssolite, Penn.....		
1 Copper Ore, Montana.....		

1	Copper Ore, Idaho.....	
1	Iron Ore, Michigan.....	
1	Tetrahedrite, Bingham, Utah.....	
1	Descloirsite-Vanadinite, N. M.....	
1	Nickel Ore, Oregon.....	
1	Lead Ore, Cerro de Leon, Idaho.....	
1	Lead Ore, Wisconsin.....	
1	Copper and Silver, New Mexico.....	
1	Wardite and Variscite, Utah.....	
1	Galena xl., Joplin, Mo.....	
1	Satin Spar, S. Dakota.....	
1	Zinc Blend, Joplin, Mo.....	
1	Ruby Zinc Blend Crystals, fine, Joplin, Mo.....	
1	Tripolite, Missouri.....	
1	Copper Ore, Arizona.....	
1	Copper, Globe, Arizona.....	
1	Chromate Iron, Penn.....	
1	Asbestos, New York.....	
1	Pyroxine, Canada.....	
	Case, blocks, etc.....	

CASE NO. 16. Fine Lead and Zinc Ores, Joplin, Mo.

8	Large Calcite Crystals.....	
9	Large Zinc and Lead Specimens.....	
Second Shelf		
14	Calcite Crystal Group, etc.....	
5	Zinc Specimens.....	
Third Shelf		
1	Large Purple Calcite, twin crystal, very fine.....	
4	Fine Crystals, sharp edge and terminals.....	
3	Large group Calcites.....	
1	Large Galena Crystal, covered with Calcite, fine.....	
3	Zinc and Lead pieces.....	
1	Ruby Blend.....	
1	Carbonate and Silicate.....	
1	Calcite Crystal.....	
Bottom Shelf		
1	Very large fine group Calcite Crystals.....	
1	Medium sized group and 1 side covered Pyrites.....	
2	Large group Crystals.....	
1	Extra large Crystal Lead Cubes, 7 inches square, Medal	
	Medal Buffalo Pan-American, 1902.....	
	Case.....	

CASE NO. 17. Fine Lead, Zinc and Calcites, Joplin, Mo.

1	Very fine large group Calcites.....	
1	Very fine large single Calcite.....	
1	Very fine group.....	
1	Very fine Crystal on Dolomite.....	
1	Large Blend and Dolomite.....	
2	Large Dolomite and Chacopyrite.....	

Articles

Price

Second Shelf

- 3 Fine Group Calcites.....
- 3 Ordinary Calcites.....
- 4 Blend-Zinc and Calcite.....
- 1 Fine Galena and Dolomite, Etching Process.....
- 1 Large Ruby Blend Crystal.....
- 2 Galena-Lead and Calcite.....
- 2 Calcite Crystals.....
- 1 Very fine Calamine Crystals.....
- 1 Extra fine Purple Twin-Crystal Calcite.....

Third Shelf

- 1 Very large Calcite Crystals.....
- 1 Very large double terminated Crystals.....
- 1 Very fine group Crystals.....
- 4 Very fine single Crystals.....
- 1 Large Galena Crystal.....
- 1 Very fine cubes Lead Crystals, Dolomite.....
- 1 Very fine cubes single Dolomite.....
- 1 Smithsonian Crystal Group.....
- 4 Ordinary Blend and Calcites.....
- 1 Amber Twin Calcite.....
- 1 Star Terminal, single.....

Bottom Shelf

- 1 Extra fine Star Terminals Group.....
- 2 Extra fine and large singles.....
- 1 Extra fine Zinc and Lead on Dolomite and Etching process shown.....
- 1 Very fine large Blend combination.....
- 2 Very large Lead and Blende combination.....
- 1 Calcite and Blende.....
- 1 Galena Lead Crystals.....
- Case, Blocks, etc.....

CASE NO. 18 Very Fine Crystals, Calcite from Joplin, Mo.

- 1 Calcite Crystal
- 1 Calcite, large twin, Amber shade.....
- 1 Calcite, small twin, Amber shade.....
- 1 Calcite, double point, Amber shade
- 1 Calcite, double point, Amber shade.....
- 1 Calcite Group, three point, Amber shade.....
- 1 Calcite, single large nailhead top.....
- 4 Calcites, single and double.....
- 3 Calcites, single point.....
- 1 Flat Star Terminal, deep golden.....
- 2 Crystals in Cavity Dolomite.....
- 4 Crystals, singles, deep golden.....
- 1 Crystal, twin, deep golden yellow.....
- 4 Crystals, large single yellow.....
- 20 Crystals.....
- 10 Large single and double yellow Crystals.....
- 1 Large group, front shelf, Pyrites, etc.....
- 8 Ordinary Crystals.....
- 1 Fine large twin yellow Calcite
- 8 Single and group, assorted sizes.....
- 4 Single and group, assorted sizes.....

Lower shelf bottom are the very rare purple Calcites
and now not found as cave filled up.

- 1 Large cross twin in corner front.....
- 1 Large partially crystallized.....
- 1 Large group, 3 twin crystals.....
- 4 Large single Crystals.....
- 1 Single large Crystal.....
- 2 Medium Crystals, fine color.....
- 1 Extra large fine Crystal, fine color.....
- 1 Small Crystal, fine color.....
- 1 Large high Crystal, fine color.....
- 2 Small Crystals, fine color.....
- Case and glass shelves.....

CASE NO. 19 Very Fine Calcites, Peculiar Terminals

Top Shelf, assorted Crystals, Calcite, Blende, etc., Joplin, Mo.....

Middle Shelf, extra fine Crystals, Calcite, Blende, Galena, Calamine, Smithsonite, Fossils and Pseudomorphs.....

Bottom Shelf

- 1 Very large and fine slab Galena Crystals on Dolomite. Etching process and leaching also. Valuable and cannot probably be duplicated.....
- 2 Very large Calcite Crystals.....
- 2 Smaller Calcite Crystals, same terminals.....
- 1 Medium Calcite Crystal, same terminals.....
- 2 Small Crystals.....
- Case and glass shelves.....

CASE NO. 20

The Largest Known Crystals of Calcites, doubly terminated

as a Scalenehedron

From Joplin, Missouri

Was Awarded Silver and Bronze Medals at

Pan American Exposition, Buffalo and Charleston, S. C. 1901

Awarded Gold Medal, Louisiana Purchase Exposition, St. Louis, 1904

CASE NO. 21

Fine specimens of Zinc Ores, Blende, Calamine and Smithsonite
from Joplin District

Top Shelf

- 1 Fine Twin Crystal Calcite, Scalenehedron.....
- 1 Twin Group, small but very fine.....
- 70 Assorted specimens of Calcite Crystals, Lead and Zinc ores
- 1 Very fine Pseudo. Calcite coated by Marcassite.....
- 1 Lot Fancy Calcite Crystals, say about 20 from Maumee
Zinc Co., Arkansas.....

Bottom Shelf

- 1 Very Fine Large Dolomite with Zinc Ore, and lot with it,
Maumee, Ark.....
- 2 Very fine Lead Galena Groups and Calcite.....
- 40 Assorted specimens Lead, Zinc and Calcite mounted on flat
blocks.....
- Case, etc.....

CASE NO. 22

- 1 Fine Calcite twin crystal.....
- 2 Fine Calcites, modified terminals.....
- 1 Extra fine group Calcite on bottom shelf, modified termi-
nals.....
- 2 Fish Tail, new form Calcites.....
- 1 Cerrussite, Joplin
- 1 Mohawkite, Michigan
- 1 Calcite and Copper, Michigan.....
- 1 Pecholite, New Jersey.....
- 1 Endlichite, New Mexico.....
- 1 Cerrussite, Colorado.....
- 1 Beryl, New Hampshire.....
- 1 Satin Spar, Dakota.....
- 1 Calcite, Joplin.....
- 1 Calcite, Pennsylvania.....
- 1 Zinc, Joplin.....
- 1 Descloisite, New Mexico.....
- 1 Chalcopyrite, Joplin.....
- 1 Amatrice, Utah.....
- 1 Graphite, New York.....
- 1 Geyserite, Wyoming.....
- 1 Labradorite.....
- 1 Copper Ore, Fredericktown.....
- 1 Iron, Michigan.....
- 1 Mohawkite, Michigan.....
- 1 Native Lead, New Jersey.....
- 1 Floss-Ferri, Dakota.....
- 1 Barite, Pennsylvania.....
- 1 Zincite, New Jersey.....
- 1 Copper Ore, Utah.....
- 1 Calcite, Arkansas.....
- 1 Calcite, Dakota.....
- 1 Cerussite, Colorado.....
- 1 Colemanite, California.....
- 1 Calcite and Lead, Illinois.....

Articles

Price

1 Cerussite, Pennsylvania.....	
1 Calcite xl, Arkansas.....	
1 Pectolite, Nova Scotia.....	
1 Lead Ore, Utah.....	
1 Lead and Silver, Utah.....	
1 Quartz and Chlorite, New Mexico.....	
1 Cerussite, Fredericktown, Missouri.....	
1 Stilbite, Nova Scotia.....	
1 Garnet in Schist, Alaska.....	
1 Mica, Tourmaline, Maine.....	
1 Double Crystal Calcite, Joplin.....	
1 Pyromorphite, Pennsylvania.....	
1 Andalusite, Massachusetts.....	
1 Silver and Copper New Mexico.....	
1 Native Copper, Michigan.....	
1 Chloride Silver, Mex.....	
1 Dysanallite, Ark.....	
1 Gold Ore, Montana.....	
1 Jet, Colorado.....	
1 Pyrites, Coal, Ill.....	
1 Pyrites Crystal.....	
1 Native Silver, Mexico.....	
1 Oligoclase, N. C.....	
1 Amesite, Mass.....	
1 Quartz xl, Ark.....	
1 Waverlite, Ark.....	
1 Stephemite, Colorado.....	
1 Vanadenite, N. Mex.....	
1 Calcotrechite, N. Mex.....	
1 Double xl Calcite, Joplin.....	
1 Rutile in Quartz, N. C.....	
1 Realger, Washington.....	
1 Clinohedrite, N. J.....	
1 Calcite in Quartz, Mexico.....	
1 Calcite, St. Louis.....	
1 Copper, White Horse, Alaska.....	
1 Eudialite, Ark.....	
1 Calcite, Ark.....	
1 Sphalerite Zinc, Penn.....	
1 Calcite Copper, Iron, Michigan.....	
1 Azurite Copper, Arizona.....	
Case.....	

CASE NO. 23

10 Calcites.....

CASE NO. 24

Rear Top Shelf

1 Rhodonite, New Jersey.....	
1 Onyx, Stalactite, Ark.....	
1 Calcite and Dolomite, Ark.....	
1 Prehnite, New Jersey.....	
1 Lepidolite, Calif.....	

Articles

Price

1	Iron, Peacock Hematite, Alabama.....	
1	Chrysocolla, Arizona.....	
1	Serpentine, polished, Penn.....	
1	Serpentine, polished, New Jersey.....	
1	Quartz, Stalactite, N. Y.....	
1	Calcite, twin, velvet shade, Joplin, Mo.....	
1	Pyrites Iron, Michigan.....	
1	Iron Ore, Wisconsin.....	
1	Tetrahedrite, Utah.....	
1	Calcite and Zinc, Arkansas.....	
1	Lepidolite, Maine.....	
1	Asbestos, Penn.....	
1	Iron Pyrites, Colorado.....	
1	Rubellite, Calif.....	
1	Amazon Stone Crystals, Colorado.....	
1	Aragonite Crystal, Colorado.....	
1	Aragonite Crystal, Colorado.....	
1	Green Fluorite Crystal, Colorado.....	
1	Pectolite Crystals, N. J.....	
1	Rhodonite and Franklinite, N. J.....	
1	Moss Agate, Wyoming.....	
1	Aragonite, Colorado.....	
1	Malachite Copper carb, Bisbee, Ariz.....	
1	Red Oxide Zinc, N. J.....	
1	Quartz Crystal, Hot Springs, Ark.....	
1	Calamine, Zinc, N. J.....	
1	Calcite, twin, purple, Joplin, Mo.....	
1	Garnet in Schist, Ft. Wrangle, Alaska.....	
1	Pyrophyllite, N. Carolina.....	
1	Pyrolusite, Michigan.....	
1	Old Slag, Mine La Motte, 1802.....	
Front Top Shelf.....		
1	Leadhillite, New Mexico.....	
1	Arragonite.....	
1	Amazon Stone, crystal, fine, Colorado.....	
1	Iron Iridescent, Alabama.....	
1	Calcite fancy Crystal, Mexico.....	
1	Wardite and Variscite, Utah.....	
1	Cerussite, Colorado.....	
1	Copper, Cuba.....	
1	Gypsum Crystal, S. Dakota.....	
1	Smoky Topaz Crystal, Montana.....	
1	Rhodo Crosite, Colorado.....	
1	Quartz, Hot Springs, Ark.....	
1	Cerussite Lead Carb, Fredericktown, Mo.....	
1	Calcite on Iron and Pyrite, Michigan.....	
1	Pink Tourmaline, Rubellite, Calif.....	
1	Datolite, Nev. Jersey.....	
1	Tourmaline in Quartz, Montana.....	
1	Sodalite, polished, Maine.....	
1	Rutile, large crystal, Georgia.....	
1	Talc, Canada.....	
1	Lead Ore, Idaho.....	
1	Lead Carbonate, Cerussite, Penn.....	
1	Tetrahedrite, Utah.....	
Middle Shelf.....		
1	Calcite xl, Doe Run, Mo.....	
1	Pyrite on Dolomite, Joplin, Mo.....	
1	Quartz Group Crystals, Arkansas.....	
1	Zinc Blende, Joplin, Mo.....	
1	Asbestos, Canada.....	
1	Quartz, Canada.....	

Articles

Price

1 Chalcopyrite on Dolomite, Joplin, Mo.....	
1 Calcite Crystals, Joplin, Mo.....	
1 Galena Lead and Zinc, Joplin, Mo.....	
1 Chalcopyrite on Dolomite, Joplin, Mo.....	
1 Rose Quartz, Black Hills.....	
1 Serpentine, polished, Bronzite, Penn.....	
1 Quartz, polished, N. Carolina.....	
1 Wood Opalized, polished, Oregon.....	
2 Iron Ore, Michigan.....	
1 Tourmaline, New York.....	
1 Quartz Crystal, N. C.....	
1 Zinc Carb, Silicate, "Valle," Mo.....	
1 Pectolite, N. J.....	
1 Pyrites Iron, Colorado.....	
1 Garnet Crystal, Colorado.....	
1 Zinc Silicate, Arkansas.....	
1 Zinc and Dolomite and Calcite, Ark.....	
1 Serpentine, polished, Penn.....	
1 Quartz Crystal, Arkansas.....	
1 Quartz Crystal, Montana.....	
1 Arginite, Colorado.....	
1 Rose Quartz, Black Hills.....	
1 Chrysocolla, Arizona.....	
1 Tin Ore, Black Hills.....	
1 Very large fine, Barites, Joplin, Mo.....	
1 Very large Zinc Carbonate, Joplin, Mo.....	
1 Very large group Calcite, Joplin, Mo.....	
1 Very large group Calcite, Joplin, Mo.....	
Bottom Shelf	
1 Very large Silicate Zinc from Chimney Opening, Joplin, Mo.....	
1 Large Dolomite Group Pyrite, Joplin, Mo.....	
1 Large Group Calcite, Joplin, Mo.....	
1 Large Manganese and Iron, Michigan.....	
1 Large Manganese and Iron, Michigan.....	
1 Large Manganese and Iron, Michigan.....	
1 Hematite, Blackberry crystals, Michigan.....	
1 Lead, Idaho.....	
1 Large fine Calcite group, St. Jos. Lead Co, Bonne Terre, Mo.....	
1 Fine group Calcites, Doe Run Shaft No. 2, Flat River,.....	
Case, shelves, etc.....	

CASE NO. 25

Top Shelf

1 Azurite, Arizona.....	
1 Azurite and Malachite, Arizona.....	
1 Azurite, Arizona.....	
1 Azurite, Arizona.....	
1 Native Copper, New Mexico.....	
1 Malachite, Copper Carbonate.....	
1 Cuprite Copper Crystals, Arizona.....	
1 Calcite, large one, Michigan.....	
1 Manganese Iron, Michigan.....	
1 Calcite-Pyrite, Michigan.....	
1 Hematite Crystals, Michigan.....	
1 Native Copper, Utah.....	
1 Copper Ore, Butte, Montana.....	
1 Copper, Washington.....	

Articles

Price

1 Copper, Michigan.....	
1 Copper, Idaho.....	
1 Copper, Michigan.....	
1 Copper in Calcite, Michigan.....	
1 Native Silver and Copper, Michigan.....	
1 Hematite Dendrite, Michigan.....	
1 Gold and Silver, New Mexico.....	
1 Cuprite, Arizona.....	
1 Native Copper, New Mexico.....	
1 Native Copper Arizona.....	
1 Azurite, Arizona.....	
1 Azurite, Arizona.....	
1 Azurite, Arizona.....	
1 Azurite.....	
1 Azurite.....	
1 Azurite.....	
1 Malachite.....	
Middle Shelf	
1 Large Malachite, Arizona.....	
1 Large Azurite, Arizona.....	
1 Large Azurite, Arizona.....	
1 Azurite, Arizona.....	
1 Copper, Idaho.....	
1 Copper, Texas.....	
1 Pyrites and Calcite, Michigan.....	
1 Hematite, Michigan.....	
1 Iron Pyrite, Michigan.....	
1 Native Copper, Michigan.....	
1 Calcite, Michigan.....	
1 Pyrite and Calcite, Michigan.....	
1 Hematite Crystals Iron, Michigan.....	
1 Hematite Goethite Crystals Iron, Michigan.....	
1 Specular Iron Crystal, Antwerp, N. Y.....	
1 Iron, fancy iridescent, Alabama.....	
1 Pyrites and Calcite, Michigan.....	
1 Calcite and Native Copper, Michigan.....	
1 Large Native Copper, Michigan.....	
1 Chalcopyrite, Penn.....	
1 Chalcopyrite Czerkerite, Utah.....	
1 Albite and Quartz, Arkansas.....	
1 Azurite, Arizona.....	
1 Azurite, Arizona.....	
1 Malachite, Arizona.....	
1 Malachite, Arizona.....	
1 Malachite and Azurite, Arizona.....	
1 Malachite and Azurite, Arizona.....	
1 Copper Ore, Nevada.....	
1 Malachite and Azurite, Arizona.....	
1 Azurite, Arizona.....	
Bottom Shelf	
1 Very large fine Hematite, smooth Botroydal, Mich.....	
1 Very fine large Hematite, smooth Botroydal, Mich.....	
1 Very large fine Hematite, long Crystalized, Michigan.....	
1 Very large fine Hematite, long Crystalized, Michigan.....	
1 Large Calcite and Pyrites, Michigan.....	
1 Large Copper specimen, Michigan.....	
1 Large Copper Boulder, Michigan.....	
1 Large Copper covering of Boulder, Michigan.....	
1 Native Copper, Calumet and Hecla, Mich.....	
1 Native Copper, Calumet and Hecla, Michigan.....	
1 Large Iron Manganese.....	

Articles**Price**

- | | | |
|---------------------------------------|--|--|
| 1 Large Iron-Blackberry Crystals..... | | |
| 1 Very large Calcite Group | | |
| 1 Manganese Ore | | |
| 1 Quartz Group, Hot Springs, Ark..... | | |
| 2 Large single Crystals | | |
| Case, shelves, etc..... | | |

Select Specimens of Calcite, Joplin District, Mo.

- | | | |
|--|--|--|
| Red No. 1 | | |
| Box under stairway, very large group, Calcite on Galena and Zinc ores..... | | |
| Red No. 2 | | |
| Group modified flat terminals, Calcite Crystals..... | | |
| Collection Short drop sizes..... | | |
| Sundry small specimens..... | | |
| Red No. 3, Wall Case | | |
| Assorted Zinc, Lead and Calcite, Joplin, Mo..... | | |
| Red No. 4. Box on Floor by Case No. 19 | | |
| Very fine large Crystal Calcite and not likely to be duplicated | | |
| 1 Smaller one, very fine..... | | |
| Red No. 5 on Box | | |
| 1 Very fine group Calcites, Joplin, Mo..... | | |

CASE NO. 26**Doe Run and St. Joseph Lead Co. specimens from various workings.**

- | | | |
|---|--|--|
| Top Back Row | | |
| 20 Boxes Specimens, Crystals, cores and various Lead and Calcite xls..... | | |
| Front Shelf | | |
| 46 Boxes Lead and Calcite, some very rare..... | | |
| 28 Calcites and Lead and some rare Crystals now obsolete | | |
| Bottom | | |
| 1 Very fine St. Joseph Lead Co. large Group Calcites xls, Pen Diggings and some smaller ones..... | | |
| Large Doe Run Lead Co. group, No. 2 Shaft, Flat River..... | | |
| 12 Various specimens, Calcite and Lead Cubes, etc..... | | |
| Case | | |

CASE NO. 27

**Very Rare Crystals of Lead Ore and Calcites from St. Joseph Lead
Company and Doe Run Lead Company.**

Top Shelf

15 Assorted Crystals, Lead and Calcites.....

Middle Shelf

12 Assorted Crystals and Ores.....

1 Very large fine Calcite Crystal from Hunt Shaft, Lead-
wood, Mo.

1 Large Group, St. Joseph Lead Company.....

1 Large Group, Doe Run Lead Company.....

1 Large Group, Joplin, Mo.

2 Single Crystals, Joplin, Mo.

Case

CASES NO. 28 AND NO. 29

Two small cases of the cuttings from old Calcines at Doe Run, Missouri, showing a great assortment of beautiful Lead rechrystallized in roasting and cooling process, shows a return to original form Crystals; also a Silicate of Lead Combination and various Oxide Crystals in form. Many very rare specimens Wood, tree roots, etc., being absorbed by melted lead and become Lead and Lead Oxides instead of former wood. Whole collection is beyond price, as now there are no more chances to ever find these combinations.....

AUTOGRAPHS ETC. Presidents, Signatures and Letters

George Washington.....

J. Q. Adams.....

Thomas Jefferson.....

James Madison.....

James Monroe.....

Andrew Jackson.....

John Tyler.....

James K. Polk.....

Millard Fillmore.....

Andrew Johnson.....

Abraham Lincoln.....

R. B. Hays.....

U. S. Grant.....

Jas. A. Garfield.....

Chester A. Arthur.....

Grover Cleveland.....

Benj. Harrison.....

Wm. McKinley.....

T. Roosevelt.....

Chief Justices U. S. Supreme Court

M. R. Waite.....	
Saml. F. Miller.....	
Melville W. Fuller.....	
John M. Harlan.....	
Stephen J. Field.....	
Joseph P. Bradley.....	
Stanley Matthews.....	
W. B. Woods.....	
Horace Gray.....	
Saml Blatchford.....	
D. G. Swaim.....	
L. Q. C. Lamar.....	
Howell E. Jackson.....	

Senators

David Davis, Illinois.....	
H. W. Blair, N. H.....	
Geo. F. Edmunds, Vermont.....	
T. C. Platt, New York.....	
Jas. B. Beck, Kentucky.....	
Jno. J. Ingalls, Kansas.....	
Jos. E. Brown, Georgia.....	
R. M. Plumb, Kansas.....	
H. L. Davis, Mass.....	
Geo. F. Hoar, Mass.....	
H. B. Payne.....	
C. H. Van Wyck.....	
Jas. B. Groome.....	
W. J. Semell, N. J.....	
Jas. G. Fair, Nevada.....	
Wade Hampton, S. C.....	
H. B. Anthony, R. I.....	
Philetus Sawyer, Wis.....	
O. D. Conger, Mich.....	
Alvin Sanders.....	
S. B. Maxey.....	
G. W. Hewitt.....	
R. F. Jonas, Louisiana.....	
Jno. V. Miller, Calif.....	
T. F. Boyard, Delaware.....	
S. R. McMillan, Minn.....	
John W. Johnston, Va.....	
Eli Saulsbury, Delaware.....	
L. F. Glover, Oregon.....	
F. W. Ferry, Michigan.....	
E. G. Lapham.....	
Wm. P. Kellogg, La.....	
Jno. H. Reagan, Texas.....	
W. E. Chandler, N. H.....	
J. S. Morrill, Vermont.....	
J. D. Cameron, Penn.....	
J. C. S. Blackburn, Kentucky.....	
Wm. M. Teller, Colorado.....	
John Sherman, Ohio.....	
S. M. Cullom, Ill.....	
H. A. Colquitt, Ga.....	
Zebulon B. Vance, N. C.....	

Articles

Price

F. M. Cockrell, Missouri.....
 G. G. Vest, Missouri.....
 I. M. Camden, W. Va.....
 W. B. Allison, Iowa.....
 Jas. L. Pough, Alabama.....
 Nelson Aldrich, R. I.....
 Ishan G. Harris, Tenn.....
 D. W. Voorhes, Ind.....
 Anthony Higgins, Delaware.....
 A. P. Gormen, Md.....
 William Call, Florida.....
 M. C. Butler, S. C.....
 C. H. Platt, Conn.....
 J. M. Dolph, Oregon.....
 Roger Q. Mills, Texas.....
 Richard Coke, Texas.....
 Wm. Villas, Wisconsin.....
 John M. Palmer, Ill.....
 Wm. M. Brice.....
 J. B. Gordon, Ga.....
 W. A. Pfeffer, Kansas.....
 Chas. Manderson, Neb.....
 J. G. Berry, Miss.....
 R. F. Pettigrew, S. D.....
 R. C. Hansbrough, N. D.....
 Jno. W. Daniel, Va.....
 Eugene Haile, Maine.....
 Henry Cabot Lodge, Mass.....
 Watrous Squire.....
 Jas. F. Berry, Ark.....
 T. P. Power, Montana.....
 Edw. O. Walcott, Colorado.....
 Leland R. Stanford, Calif.....
 Francis B. Stockbridge, Michigan.....
 Fred T. Dubois, Idaho.....
 Thos. B. Reed, Maine.....
 Chas. T. Crisp, Georgia.....
 David B. Hill, New York.....
 Martin L. Clardy, Congress 1887.....
 Wm. Kinsey, Congress.....

Generals, Etc.

U. S. Grant.....
 W. T. Sherman.....
 P. H. Sheridan.....
 John A. Logan.....
 Geo. B. McCellan.....
 Winfield Hancock.....
 John Pope.....
 Irwin McDowell.....
 J. E. McPherson.....
 W. S. Rosecrans.....
 J. S. Hartranft.....
 H. W. Slocum.....
 J. S. Schofield.....
 W. B. Hazen.....
 J. D. Cox.....
 D. E. Sickles, N. Y.....
 F. J. Porter.....
 Edw. S. Bragg.....

Articles

Price

Geo. Crook.....	
J. C. Fremont.....	
David D. Porter, Admiral.....	
John Rodgers, Admiral.....	
Ed Thchots, Admiral.....	
Genj. F. Butler.....	
Gregory Speer.....	
Geo. W. Pendleton.....	
Wm. H. English.....	
Geo. B. Loring.....	
John A. Dix, 1874.....	
Cassius M. Clay.....	
Alexander H. Rice.....	
Jno. W. Danenhower, "Jeavenette".....	
J. G. Carlisle, Kentucky.....	
Sam J. Randall.....	
S. S. Cox.....	
Warren Keifer, speaker House 1882.....	

Confederates C. S. A.

Jefferson Davis, President.....	
Jefferson Davis, U. S. Senate.....	
Alexander H. Stephens.....	
R. E. Lee.....	
J. E. Johnson.....	
G. T. Beadregard.....	
C. M. Wilcox.....	
James A. Chalmers.....	
James Longstreet.....	
D. H. Hill.....	
S. B. Buckner.....	
J. T. Early.....	
Wm. T. Herryman.....	
Wm. R. Mahone, Va.....	
Wade Hampton, S. C.....	

Miscellaneous.

Pau! B. DuChaillu, Traveller.....	
A. Rierstadt, Artist.....	
Brigham Young.....	
Lawrence Barrett, Actor.....	
T. W. Keene, Actor.....	
Oscar Wilde, Actor.....	
P. T. Barnum, 1882.....	
Gen. "Tom Thumb," Chas. S. Stratton.....	
Mrs. Gen. "Tom Thumb".....	
W. Q. Gresham.....	
Thos. L. James.....	
John Wanamaker, P. M. General.....	
L. O. Howe.....	
S. I. Kirkwood.....	
Fred'k T. Frelinghausen.....	
James G. Blaine.....	
Roscoe Conkling.....	
C. Schurz.....	
Hamilton Fish, N. Y.....	
Wendell Phillips, N. Y.....	
Wm. M. Evarts.....	

Articles

Price

Edwards Pierrpont.....	
Thurlow Weed.....	
Geo. M. Roberson.....	
W. H. Hunt, Sec'y. Navy.....	
Chas. J. Folgar, Sec'y. Treasury.....	
F. T. Spinner.....	
Chas. Foster.....	
W. C. Whitney, Sec'y. Navy.....	
Wyman McCullough.....	
Benj. Hain Brewster, Atty. General.....	
A. H. Garland, Arkansas.....	
Redfield Proctor, Vermont.....	
J. M. Rusk.....	
Edwin M. Stanton.....	
Wm. H. Seward.....	
Charles H. Sumner.....	
Salmon P. Chase, Letter signed.....	
T. A. Hendricks.....	
H. Wilson.....	
Chas. Francis Adams.....	
A. E. Stephenson.....	
Levi P. Morton.....	
Chauncey M. Depew.....	
Peter Cooper.....	
Jay Gould.....	
Cyrus W. Field.....	
Paul Hamilton Hayne.....	
Horatio Seymour.....	
Garrett A. Hobart.....	
John P. St. John.....	
Peter Richard Kenrick, Archbishop of St. Louis.....	
Whitelaw Reid.....	
C. A. Dana.....	
Henry Watterson.....	
W. D. Howells, letter signed.....	
Oliver Wendell Holmes.....	
James Poston.....	
Henry W. Longfellow.....	
John G. Whittier.....	
Jas. T. Trowbridge.....	
Augusta E. Wilson.....	
Mark Twain.....	
M. Quad.....	
Josh Billings.....	
Thos. Bailey Aldrich.....	
W. E. Gladstone.....	
S. S. Sackville West.....	
Mrs. Francis Cleveland, written on pce. Birch tree bark.....	
Susan B. Anthony.....	
Belva Lockwood.....	
Walter S. Cox, Associate Justice Supreme Court.....	
Geo. B. Corkell, U. S. Attorney.....	
Chas. Guiteau, Assassin.....	

Letters Signed.

Martin Van Buren, Oct. 18, 1843.....	
James Buchanan, Sept. 20, 1847.....	
John O. Calhoun, Mar. 21, 1823.....	
Henry Clay, Sep. 19, 1837.....	
Daniel Webster, Feb. 23, 1831.....	

Articles

Price

Horace Greely, May 15, 1861, office of N. Y. Tribune.....	
Rev. C. H. Spurgeon, Feb. 23, 1861.....	
Henry Ward Beecher, June 6, 1882.....	
Charles Dickens, July 16, 1851.....	
H. L. Bulwer (Bulwer Lytton) Feb. 1, 1850.....	
J. C. Fremont, May 21, 1887.....	
Edwin Booth, Receipt for his share, six nights and one matinee, DeBars Opera House, St. Louis, October 22, 1870, \$2297.81.....	

Books, etc.

3 Vols. Indian Tribes of N. A. Department of War, Washington, by Thos. L. McKenney and James Hall, all hand painted and original publication, 120 portraits in oil, published 1836-1844	
6 Vols. History of Indian tribes of the United States by Henry Rowe Schoolcraft, bound half Morocco and cloth, published 1851-1857.....	
2 Vols. Indian Tribes of United States by Francis S. Drake, 1884, Cloth Bound.....	
1 Moorehead, American Archaeology.....	
2 Moorehead, Stone Age in N. America.....	
3 Vols. Archaeologist, bound Morocco, 1893 to 1895.....	
16 Vols. Mineralogist, bound Morocco, 1890 to 1908.....	
2 Vols. Antiquarian-Archaeologist, bound Morocco 1897 & 1898.....	
1 Dana, Mineralogy, 1890.....	
1 Dana, Mineralogy, 1896.....	
12 Vols. American Journal Archaeology, 1897 to 1908.....	
1 Very old book by Lord Bacon in 1639 "Sylva Sylvarum," Ency- clopedia of Ten Centuries, contains also New Atlantis.....	
1 Vol. old English Reliques Poetry, given me by Dr. Blackmer, St. Louis.....	
1 Old book Sermon published, 1650.....	
1 Old book Southwest Barbary, 1713.....	
1 Almanack, Nathaniel Ames, 1740.....	
1 Old Newspaper, 1800, Washington's Death.....	
10 Assorted old Newspapers, 1783-1794.....	
1 Mohammedan Testament, "Khoran".....	
7 Vols. Popular Science, 1896-1902.....	
1 Old Vol. Paradise Lost 1770-1850.....	
Assortment Museum Magazines and Miscellaneous Books in old book cases.....	

War Relics, etc., Colonial Times.

A Revolutionary War Musket, flint lock and bayonet taken by "Minute Man" from British Soldiers in battle of Benning- ton, Vermont 1777, name "Tower" on lock; also a powder horn same date.....	
1 pair Epaulets in Silver Trimmings, belonging to some Official War 1812.....	
1 small piece Commodore Perry's Flag Ship "Lawrence" 1813.....	
1 Old Grease Lamp, used with rag wick.....	
Old pewter plate, coffee and tea pots, bowls etc.....	
Pewter Candlestick, Britannia.....	
Old Brass Candlesticks.....	
Snuffers for above candlestick.....	

Articles

Price

1 Old Bulls Eye Watch, over 100 yrs. old.....	
1 Grandfathers Clock, name "Jonas Miller," very old and in fair condition.....	
1 Old Clock, Seth Thomas make.....	
1 Old Massachusetts Bay State 1777 Note of Exchange for 18 Pounds 17 Shillings.....	
1 Colonial Currency, 1 Shilling, N. Jersey, 1776.....	
1 Colonial Currency, 3 Shilling, N. Jersey 1776.....	
1 Colonial Currency, 1 Shilling, N. Jersey 1763.....	
1 Colonial Currency, 2 Shilling, 6 Pence, Penn, 1772.....	
1 Colonial Currency, 5 shillings.....	
1 Colonial Currency, 18 Pence, N. Jersey, 1776, signed by John Hart, a signer of Declaration of Independence 1776.....	
1 Colonial Currency, showing back to "Counterfeit is Death".....	
1 Colonial Currency, 50 Shillings, Penn. 1773.....	
1 U. S. Currency, 8 Dollars, 1778.....	
1 Old Colonial Cupboard Bureau, 5 drawer, Apple wood and Maple hand carved, put together by wood pegs "Low Boy," crawl and ball foot-legs.....	
1 Very Old Desk and Book Case, Mahogany.....	
1 Very Old Looking Glass, shaving case, two drawers.....	
1 Very fine old "Sheraton" or Happelwhite Table, swinging back leg, makes circular tea table, hand inlaid.....	

Certificates Indebtedness.

Maryland.

4 Issued 1782-1783.....	
1 Issued 1767, 8 Dollars.....	
1 Issued 1770, 2-3 of Dollar.....	
1 Issued 1770, 1-9 Dollar.....	
1 Issued 1770, 4 Dollars.....	
1 Issued 1776, 6 Dollar Note.....	
8 1-6 Dollar, 1-3 Dollar, 2-3 Dollar, 1-2 Dollar, 1 Dollar. 2 Dollars, 4 Dollars, 6 Dollars, 8 Dollars.....	
2 1-2 Dollar and 1 Dollar, 1775.....	
5 1 Dollar, 3 Dollar, 5 Dollar, 8 Dollars, 20 Dollars.....	

Virginia

1 5 Pound Note, Mar. 1773.....	
4 2 Dollars, 6 Dollars, 8 Dollars, 15 Dollars, issued 1777-1778. See extra fibre paper.....	
2 Notes Currency, 1781, 500 Dollars, 750 Dollars.....	
1 Note Currency, 1780, 300 Dollars.....	

Delaware

1 20 Shilling Currency, printed by Benj. Franklin and D. Hall, uncirculated.....	
1 Shilling, 18 Pence, 2 Shillings six pence, 4 Shillings, 5 Shillings, 6 shillings, 10 shillings, and 20 Shillings issued 1776	
10 Pcs. Colonial Currency, 3 Pence, 6 Pence, 9 Pence, 1 shilling and up to 20 Shillings, issued May 1, 1777.....	

New Hampshire

1 August 24, 1775, 3 Pounds.....	
6 Uncirculated Currency, issued 1786, 9 Pence up to 20 Shillings.....	

Rhode Island

2 Colonial Currency, 1777, Connecticut.....	
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New Jersey

1 Colonial issue 1756, 12 Shillings.....	
1 Colonial issue 1762, 6 Pounds.....	
5 Colonial issue 1763, uncirculated, 18 Pence to 15 Shillings.....	

Articles

Price

4 Uncirculated notes signed by John Hart, a signer of Declaration Independence, issued 1776.....	
6 Uncirculated notes issued 1776, 18 pence up to 6 Pounds.....	
1 Rare 20 Dollar 1780	
Rhode Island	
Set uncirculated currency, issued 1780	
Massachusetts	
2 Sets currency issued 1780	
New York	
1 Issue 1771, 10 Pound	
1 Issue 1776, 2-3 Dollar	
1 Issue 1776, 1-2 Dollar.....	
1 Issue 1776, 2 Dollars	
Pennsylvania.....	
1 Rare Note, issued 1758.....	
1 Rare Note, issued 1759, printed by Benj. Franklin and D. Hall.....	
2 Notes printed by B. Franklin and D. Hall, 1760	
2 Notes printed by B. Franklin and D. Hall, 1764	
1 Rare 4 Pound Note issued June 15, 1767	
5 Rare pieces issued 1772	
2 Rare pieces Currency issued Apr. 1772, signed by John Morton who was a signer of Declaration of Independence.....	
1 Issue March 20, 1773, Lighthouse Note.....	
2 Lighthouse Notes, issue 1775	
8 Issues October, 1773	
3 Issues July 20, 1775	
7 Issues October 1776	
8 Pcs. Apr. 10, 1777. Hold up to light and see fine watermark.....	
United States, 1778-1779, 20 Dollar, 30 Dollar, 40 Dollar, 60 Dollar, Philadelphia.....	
1 Dollar, 2 dollars, 45 dollars, 50 dollars, 55 dollars, 60 dollars, 70 dollars, 80 dollars, issued January 14, 1779, Philadelphia, Pa.	
1 Issue May 10, 1775, 8 dollars	
3 Issues February 17, 1776	
2 Pcs. 7 dollars and 8 dollars, issued May 9, 1776.....	
2 Pcs. 7 Spanish dollars, 30 Spanish dollars, issue July 22, 1776.....	
3 Pcs. Five, Six and Eight dollars, issue November 2, 1776.....	
3 Pcs. 4 dollar, 6 dollar, 30 dollar, February 26, 1777.....	
1 Uncirculated Colonial issue 1776, 1 dollar, Ga	
1 Issue, Dec. 23, 1776, L. dollar, S. Carolina	
4 Issues all in one sheet, dated and signed by same parties, April 10, 1778, all in one sheet and uncut: 2 shillings 6 pence; 3 shillings 9 pence; 5 shillings; 10 shillings.....	
Issue Dec. 1771, North Carolina; 1 shilling; 2 shillings 6 pence; 5 shillings; 1 pound	
2 Issued Aug. 8, 1778:	
5 dollar, Spanish Milled dollar	
10 dollar, Spanish Milled dollar.....	
2 Issued May 15, 1779, 10 dollars	
25 dollars	

War Relics, Etc. 1861-1865

1 Union sword and belt, N. Y. Reg.....	
1 Union Saber, etc., found at Pilot Knob, Mo.....	
1 Confederate Officer's cap and sword, Ga.....	
1 Confederate gun, found at Pilot Knob.....	
1 Confederate rifle, belonged to soldier at Potosi, Mo., who gave it to Dr. Hinch.....	

Articles

Price

3 Confederate carbines and cavalry guns.....	
14 Union carbines, Cavalry guns.....	
4 Union muskets, Springfield, etc.....	
3 Old style, 1st. breechloading, etc.....	
1 Short, made over, Geurilla Bushwhackers rifle, found near Gen. Lyons battlefield.....	
1 Old musket, flint lock, "Harpers Ferry".....	
2 Old muskets, flint lock, "Harpers Ferry".....	
1 Old Indian flint lock rifle.....	
1 Old rifle.....	
1 Old rifle and shot barrel combined.....	
18 Old swords and sabers, scabbards, bayonets, etc., from Union and Confederate soldiers quarters.....	
1 Bayonet, flat trowel shape.....	
3 U. S. belts and cartridge boxes, etc.....	
1 Muzzle load, flint lock pistol.....	
2 Muzzle load, flint lock pistols, large.....	
1 Muzzle load, single barrel, cap and ball.....	
1 Muzzle load, double borrel, cap and ball.....	
1 Muzzle load, single, dueling pistol.....	
1 Muzzle load, double barrel, changeable.....	
1 Revolver, 5 shot, small.....	
1 Revolver, 5 shot, large.....	
3 Revolvers, 5 shot, Army size.....	
1 Revolver, 6 shot, French style.....	
1 Revolver, 6 shot, Phillipines.....	
1 Large muzzle loader Horse pistol.....	
5 Large Navy revolvers, 38-44.....	
1 Large revolver, 6 shot, Starr.....	
1 Large revolver, 6 shot, Rogers Spencer.....	
1 Large old muzzle loader, flint lock, said to have belonged to President Wm. McKinley's father, initials cut F. McK.....	
1 Very large revolver, found on "Ousters" Battle field.....	
1 Revolver, Pepper Box, 4 barrel.....	
1 Revolver, Pepper Box, 6 barrel.....	
1 Revolver, Pepper Box, 6 barrel.....	
1 Revolver Pepper Box, 12 barrel.....	
1 Colts small revolver in box G. W. C.....	
1 Very old Spanish piece, brass barrel, pistol and knife combined.....	
1 Flint lock pistol, very fine finish, single and safety slide.....	
1 Double barrel pisto, patent safety slide.....	
1 Single barrel pistol, hammer and trigger underneath.....	
1 Small brass sash pistol, burglar proof, J. P. Wilson patent 1859.....	
1 Gun. Cut off and made to pistol.....	
1 Old Rifle stock, was found at Hildebrand's Cave and given me by Willis Perryman, 1878.....	
1 Very heavy rifle "Sharp" and said to have been used by Life saving Crew, and can shoot a rod carrying line about two miles out to sea.....	
1 Large Shrapnel projectile for a Cannon 8 inch bore, it is now filled with nine cannon balls of 3 inches in diameter.....	
1 Large shell, exploded.....	
1 Large shell, unloaded, whole.....	
1 Large conical shell, unexploded, found Battle Pilot Knob.....	
1 Cannon Ball, from J. Shelby Co.....	
1 Large cannon ball.....	
1 Small cannon ball.....	
1 Time set explosive shell, round.....	
1 Time set explosive shell, round.....	
2 Time set explosive shells, oblong shape.....	
1 Time set explosive shell, upright.....	
1 Piece shell found Fort Sumpter, 1863.....	

1 Piece from the deck of Ironclad "Potapasco," splintered off during engagement at Fort Sumpter, 1863.....	
1 Fife, belonging to Va. Regiment.....	
1 Spur, belonging to Va. Regiment.....	
1 Minnie Ball, Gettysburg Battlefield,.....	
1 Minnie Ball, Pilot Knob, Mo.....	
1 Grape Shot.....	
1 Piece shell, exploded, Fairfax, Virginia.....	
1 Minnie Ball, imbedded in tree, Chickamauga, Tenn.....	
1 Surgeons medical case.....	
1 Ticket U. S. Senate, admit beaer, to impeachment of Pres. Andrew Johnson, May 18, 1868.....	
1 Piece Atlantic Cable.....	
1 Medal "Abraham Lincoln" 1860; reverse "The Rail Splitter of the West".....	
1 Bronze Medal, Gen. U. S. Grant.....	
1 Bronze Medal, "Fort Sumpter" Bombardment 1861.....	
1 Republican National Ticket, 1860 Abraham Lincoln, Illinois, and Hannibal Hamlin, Maine.....	
1 National Democratic Ticket, 1860 John C. Breckenbridge and Joseph Lane.....	
1 Virginia Electoral Ticket, Nov. 6, 1861 For President, Jefferson Davis of Mississippi For Vice-President, Alex. H. Stephen, Georgia.....	
1 Radical Union Ticket, 1864 For President, Abraham Lincoln of Illinois For Vice-President, Andrew Johnson of Tennessee Missouri State Ticket, Gov. Thos. C. Fletcher.....	
1 Republican Ticket, 1873, For President, U. S. Grant, for Vice-President, Henry Wilson.....	
1 Frame containing Silk Badges, etc., 1 Silk Badge of Gen. La-Fayette.....	
1 Silk Badge, Henry Clay, 1844.....	
1 Silk Badge "The Peoples Choice," William H. Harrison, 1840, "Harrison and Reform," "Log Cabin".....	
1 Silk Badge, Fremont and Freedom, Ratification Meeting, July 4, 1856, Springfield, Ill.....	
1 Silk Badge, A. Nations Loss, Abraham Lincoln, died April 15, 1865.....	
1 Silk Badge, Cleveland and Thurman, 1888.....	
1 Silk Badge, Harrison and Morton, 1888.....	
The Celebrated "Jeff Thompson Proclamation," Camp "St. Francois County," Monday, Oct. 14, 1861, Head-quarters 1st Military Dist. M. S. G. Patriots of Washington, Jefferson, Ste. Genevieve, St. Francois and Iron Counties. Proclamation then signed by M. Jeff Thompson, Brig. Gen. Commanding.....	
Confederate Buttons, O. S. A.....	
1 Drummer Boys Badge, taken from Battle Field, Chickasaw Bayou Mississippi, Co. I, N. J. 33 Reg.	
Frame 4 "Fractional Currency," containing nearly all issues 50c down to 3c, including the 15c postage stamp currency.....	
Frame 5 1 Confederate \$1,000.00 bond issued 1861, presented by Mr. Samuel Asbury, and he says his father paid \$1,000.00 in Gold for it.....	
Frame 6 1 Program Fords Theatre, when President Lincoln was assassinated by J. Wilkes Booth	

Articles

Price

Frame 7

Collection Confederate Bills, 1 One Dollar, 2 Ten Dollar, 1 Five Dollar, 1 Twenty Dollar, 2 Fifty Dollar, 1 One Hundred Dollar.....

Frame 8

Collection of Campaign Buttons, etc.....

Frame 9

Collection of Campaign Badges, etc.....

1 Old Copper Slave Tag or Number, 1840, worn by slaves to identify them.....

1 Old Copper Slave Tag No. 179, work by Mechanic, 1859.....

1 Pce. Pine floor "Libby Prison".....

1 Old Brass Door Knocker from a very old house in Charleston, and of old English design.....

3 Old Pike Staffs in use during the war.....

1 Old Cavalry Bugle.....

Lot assorted cartridges, belts, buckles, etc.....

1 Small Confederate Flag, Cavalry "Guidon," North Carolina Co.....

1 Confederate Flag, part torn, from John Morgans Co., Alabama.....

1 Union Flag, 37 Stars. This flag was "run up" in place of a Confederate Flag, which was taken down from old Court House at Farmington, Mo. in 1862. Mr. H. Rudershausen, Alton, Ill., was the man who pulled down the Rebel Flag and who afterwards owned this Union Flag, and Sept. 25, 1889 he wrote to Mr. Kossuth W. Weber of Farmington, and presented this flag to him, and later on Mr. Weber gave it to me for my collection. As to value it is a Historical Flag and is authenticated by letters, etc., and from that fact is much more valuable.....

The Blaine Gavel. At the Republican National Convention held in Chicago 1884, the Gavel used was presented by a Chicago Furniture Co. and was made up from wood from every State and Territory in the Union. Three of these Gavels were made beside the one presented to the Convention; One was presented to Mr. Blaine, one to Mr. Logan and the remaining one to Mr. F. P. Graves. The body of the Gavel is made of zones of wood from different states, each end representing a star containing eight points, each point has two kinds of wood, both ends representing 32 States, and the handle made of Charter Oak. This can hardly be priced as a relic.....

Assorted Confederate Currency dated 1861

1 \$50.00 bill, Conf. States America, Sep. 2nd.....

1 20.00 bill, " " " ".....

1 10.00 bill, " " " ".....

7 5.00 bills " " " ".....

1 2.00 bills " " " ".....

4 10.00 bills " " " ".....

4 10.00 bills " " " ".....

9 10.00 bills " " " ".....

1 20.00 bills " " " ".....

9 20.00 bills " " " ".....

1 50.00 bill " " " ".....

1 50.00 bill " " " ".....

3 5.00 bills " " " ".....

3 5.00 bills, green, uncirculated, " ".....

3 100.00 bills, Plantation Scene, Sep. 2nd.....

1 50.00 bill, Sept. 7th.....

1 100.00 bill, green, Sep. 13th.....

1 50.00 bill, Montgomery Alabama, May 22nd.....

2 10.00 bills, Conf. States America, July 25.....

2 20.00 bills, " " " ".....

Articles

Price

1	\$50.00 bill, Conf. States America, July 25	
1	100.00 bill " " "	
Assorted Confederate Currency dated 1862		
2	\$1.00 bills, Conf. States America, June 2nd	
6	1.00 bills, " " "	
6	2.00 bills, " " "	
2	2.00 bills, " " Green, June 2nd	
39	100.00 bills, Train Cars, June 18th	
14	100.00 bills, Sept 2nd	
2	10.00 bills, Sept. 2nd	
8	2.00 bills, Dec. 2nd	
9	5.00 bills, Dec. 2nd	
2	10.00 bills, Dec. 2nd	
2	20.00 bills, Dec. 2nd	
Assorted Confederate Currency dated 1863		
12	50c bills	
2	\$ 1.00 uncirculated bills	
2	2.00 bills	
4	10.00 bills, April 6th	
16	5.00 bills	
5	20.00 bills	
3	50.00 bills	
4	100.00 bills, uncirculated	
Assorted Confederate Currency dated 1864		
3	.50 bills, Feb. 17th	
7	\$ 1.00 bill, Feb. 17th	
5	2.00 bills, Feb. 17th	
20	5.00 bills, Feb. 17th	
4	5.00 bills, Feb. 17th, uncirculated	
44	10.00 bills, Feb. 17th, uncirculated	
28	10.00 bills, Feb. 17th	
12	20.00 bills, Feb. 17th	
10	50.00 bills, Feb. 17th	
8	100.00 bills, Feb. 17th	
3	500.00 bills, Feb. 17th	
1	500.00 bills, Feb. 17th, uncirculated	
State Currency, Alabama, Bank Bills 1861-1864		
1	\$.10 bill	
8	.25 bills	
2	.50 bills	
26	1.00 bills	
2	2.00 bills	
1	3.00 bill	
1	5.00 bill	
3	10.00 bills	
1	20.00 bill	
2	50.00 bills	
2	100.00 bills	
State Currency—Arkansas		
3	One dollar bills	
2	Ten dollar bills	
1	War Bond 1861	
Deleware		
7	pieces Bank Bills, etc	
Florida		
11	Bank Notes, etc	
Georgia		
94	Bank Notes, etc	
Indiana		
7	Assorted Bank Notes, etc	

Articles

Price

Georgia, issued 1864	
5 Notes as follows: Five, Ten, Twenty, Fifty and 100 Dollars	
Kentucky	
1 Old Bank Bill, 1818.....	
Louisiana, assorted Banks	
10 Notes as follows: Two, Five, Twenty, Fifty and 100 Dollars	
Michigan	
16 Old Bank Bills.....	
Missouri	
2 Notes, Three and Five Dollars.....	
Maryland	
35 pieces Bank Bills.....	
Mississippi	
22 pieces Various Issues.....	
New Jersey	
35 pieces Bank Bills, etc.....	
New York	
15 pieces Old Bank Bills, etc.....	
Pennsylvania	
48 pieces Old Bank Notes, Bills, etc.....	
North Carolina	
90 Pieces Old Bank Issues, etc.....	
1 Bank Cape Fear \$ 3.00 Bill.....	
1 Bank Cape Fear 50.00 Bill.....	
1 Bank Xanceyville 4.00 Bill.....	
1 Bank Wilmington 3.00 Bill.....	
1 State of N. Carolina \$100.00 Bill, 1865, rare.....	
South Carolina	
28 pieces Bank Issues, etc.....	
Tennessee	
27 pieces Bank Issues	
Nebraska	
1 City of Omaha.....	
Virginia	
89 Various Bank Issues, currency, etc.....	
Notes issued in 1861 and 1862, one each as follows: Five, Ten,	
Twenty, Fifty and 100 Dollars.....	
1 U. S. Lottery Ticket, very old.....	
2 Canada Issues.....	
6 Cuba Currency.....	
1 U. S. Draft 1,000 Pounds Sterling, 1839.....	
1 Lot Mormon Tithing Notes.....	
1 Bay State Issue.....	
Lot U. S. Old Counterfeit Bills.....	
Lot War Envelopes.....	
2 Old Flax Spinning Wheels, both from Missouri.....	
1 Pair Dueling Pistols, very fine, ivory handle, probably French....	
1 Very old French Sword, bone handle, marked on blade, "Vive	
leRoy and Masonic Emblem" from period of Louis XIV,	
1645-1715.....	
1 Old metal Armer to fit hand.....	
1 Old Helmet, metallic, from Franco-Prussian War.....	
2 Bayonets in scabbards.....	
1 Old Broad Sword, both edges sharp.....	
1 Old Broad Sword, one edge filed, for saw and surgical use.....	
Lot old blue Plates, 1 old blue Pitcher and other crockery ware.....	
2 Eagle Claws.....	
A Piece of wood and trimming from coffin of Henry Clay in 1852	
A piece of human hide, leather	
A set of knives and forks from the great fire at Chicago, welded	
together by heat.....	

Articles

Price

- 1 Bankers card of Fractional Currency, 1861-1865 all rare forms.....
- 1 Pr. Snow Shoes, Laplanders.....
- 1 Pr. Buffalo Horns.....
- 1 Horn sampling spoon, ore test.....
- Assorted War medals and copper cents, army and navy cents, etc., war tokens and Confederate stamps and envelopes used in war, postage stamps, etc., in box and envelopes in old safe, C. S. A. Button, Confederate half dollar from original die, Dix Medal "Shoot him on the spot".....

General Collection of Animal Stuffed Heads, Birds and Sundries

- 1 Very Large fine Elk head mounted, killed in Rocky Mountains and sent me.....
- 1 Very large Moose head, mounted. Was one of the finest in "Ontario" Exhibit at "Pan American," Buffalo 1901.....
- 1 fine Greenland Reindeer or Caribou, head mounted from a Lapland Exhibit.....
- 1 Rock Mountain Sheep, stuffed head.....
- 1 Brown Bear from southern California, Head mounted.....
- 1 Very old Buffalo, Head mounted, Wyoming.....
- 1 Young Buffalo head, mounted.....
- 1 Small set Deer, Buck Antlers, on board.....
- 1 Small Deer head, mounted on shield.....
- 1 Very nice Antelope head, mounted, Colorado.....
- 1 Small pair Antlers on pad.....
- 1 Pr. Texas Steer Horns, mounted.....
- 1 Young Buck, whole animal stuffed and standing on board, killed near Caledonia, Washington Co., Mo.....
- 2 American Eagles killed in Washington County, Mo.....
- 1 Red Fox, stuffed.....
- 2 Mallard Ducks, Colorado.....
- 2 Prairie Chickens, Grouse, Colorado.....
- 1 Large Duck.....
- 2 Wood Ducks.....
- 2 Ducks, Tuft Head or Hood.....
- 1 Large Pelican, mounted, killed at Bonne Terre, Mo.....
- 1 Large White Owl, killed at Manitoba, stuffed and mounted.....
- 1 Large Grey Owl, mounted.....
- 2 Small Owls.....
- 1 Mud Hen.....
- 1 California Quail.....
- Several birds, Jay, Red Bird, Lark, etc.....
- 1 Armadillo, mounted.....
- 1 Armadillo Shell, for basket.....
- 1 South American Lizzard.....
- 1 Magpie, fancy mounted, Colorado.....
- 1 Large Heron, mounted.....
- 1 Very large Alligator, killed at Tampa Bay, Florida, 1900, mounted, very large one measuring about 11 feet.....
- 1 Small Alligator, stuffed, stands upright.....
- 1 Large 6 arm Star Fish.....
- 3 Large 5 arm Star Fish.....
- 1 Small 5 arm Star Fish.....
- 1 Very large fine Saw Fish, the saw is about 2 1-2 feet long.....
- 4 Smaller ones.....
- Lot shells in Alligator case.....
- Lot shells in box up stairs over Museum, several hundred.....

Articles

Price

Show case for Alligator.....	
1 Large Ostrich Egg, Africa.....	
1 Large Ostrich Egg, California.....	
2 Small cases Humming Birds, nests and eggs.....	
1 Case 100 varieties Bird eggs, 160 eggs.....	
2 Cases butterflies, mounted.....	
2 Cases Beetles and Bugs, rare collection, several hundred, mounted	
1 Sword Fish, sword about two feet long.....	
1 Octopus, Devil Fish, in bottle, from Penobscot Bay, Maine.....	
1 Trap Door Spider.....	
1 Trap Door Spider Nest.....	
1 Tarantulas.....	
1 Scorpion.....	
1 Centipede.....	
1 Joint Snake, found at Big River Mill by Dr. A. W. Keith, 1876...	
1 Large Fossil, Sting Ray, Green River, Wyoming.....	
1 Very large Fish, Green River, Wyoming.....	
1 Very large group Herring.....	
1 Very large group Herring, broken.....	
3 Smaller ones.....	
1 Bass, good one.....	
1 Bass, good one.....	
1 Cast with right and left specimens, "Batocrenus" Crawfordsville Indiana.....	
2 Fossil Leaves from Wyoming, taken 32 feet under the Shale.....	
1 Very Large Trilobite, Decatur, Ind.....	
1 Good one, St. Louis County.....	
1 Extra Fine Pair, St. Louis county.....	
1 General Collection of small ones; Fossils, Archimedes, Pantra- mites, etc.....	
2 Fire Clay Owls, in Balcony.....	
1 Figure on Stair Post holding lamps is made of Gypsum, Canada, and was at Buffalo, Pan American.....	
1 Large Shark Jaw from Harbor, Charleston, S. C.....	
1 Large Mastodon Tooth.....	
1 Large Mastodon Tooth, half sawed open.....	
1 Large Mastodon, petrified, Siberia.....	
1 Pec. back bone Mastodon or very large animal from S. Carolina.	
1 Ship in bottle.....	
1 Liberty Bell, bronze.....	

Coins, Medals, Stamps, etc.

U. S. Copper Cents 1793 to 1857, with 1799, 1804 and Flying Eagle Cent 1856.....	
Assortment of U. S. Half Cents.....	
1803 and 1805.....	
1828, 12 stars.....	
10 Two Cent pcs. Copper, U. S., 1864 to 1873.....	
Assortment three cent pcs.....	
44 Silver 5c pcs. 1794 to 1867.....	
4 Twenty Cent pcs, 1875 to 1878.....	
47 Old Dimes, 1796, 1805, 1807 and scattering to 1861.....	
Silver Quarters, 1853 with arrows.....	
1856, large and small dates.....	
1796.....	
1805.....	
1824.....	
1853 no arrows.....	
1806, 1818 and 1821.....	
6 miscellaneous quarters.....	

Articles

Price

16 Assorted nickels.....	
1 Nickel planchet.....	
1 New York rare 1795 Cent.....	
1 Nickel, proof, 1868.....	
Assortment Colonial Copper Cents and Half Cents.....	
1 New York Proof, very rare cent, 1795.....	
1 Jackson Cent, Hard Times.....	
Silver Half Dollars	
1794.....	
1795.....	
1801.....	
1803.....	
1805.....	
1806.....	
2 1807.....	
1808.....	
1809 to 1814.....	
1817 to 1822 and 1824 to 1827.....	
1828 to 1832 and 1834 and 1835.....	
1836, last year letter on edge.....	
1836, first milled edge.....	
1837.....	
1852, no arrows.....	
Silver Dollars	
1795.....	
1795.....	
1796.....	
1797, 7 stars on right hand side R.....	
1798, 13 stars.....	
1799, 5 stars on right.....	
1800.....	
1801 and 1802 over 1.....	
1803.....	
1836.....	
1878 Trade Dollar.....	
1878, 7 tall feathers to eagle.....	
3 Columbia Half Dollars 1893.....	
2 Columbia Half Dollars 1892.....	
Gold Coins	
1 \$4.00 Stella, 400 cents, 5 point star in reverse.....	
1 \$50.00 Gold "Slug," Hexagon shape, 1851.....	
1 Gold Dollar.....	
1 Half Dollar, 1871.....	
1 Quarter Dollar, 1871.....	
1 \$3.00 Gold piece.....	
1 5.00 Gold piece 1807.....	
1 5.00 Gold piece, 1813.....	
1 5.00 Gold Utah piece.....	
1 10.00 Pikes Peak, Clark Gruber Co., 1860.....	
1 10.00 Gold piece, 1795.....	
1 10.00 Gold piece, 1798, 9 stars left, 4 stars right side.....	
1 Pine Tree Shilling, 1852.....	
1 Half Sovereign 1-2 Pound English.....	
1 Foreign Coin, smallest coin, 3-16 inches across.....	
1 Japanese Coin.....	
Coins, Stamp Coins, etc., assorted, from Austria, Brazil, Belgium, Congo, Canada, Colony of Cayenne, Chinese, Chili, Egypt, Greece, East Indies, England, France, Germany, Hungary, Japan, Liberia, Jamaica, Grenada, Mauritius, British North Borneo, Bombay, Morocco, Madras, Straits Settlement, Portugal, Persia, Russia, Nova Scotia, Norway,	

Sweden, Turkey, Venezuela, Tuscany, Argentine Republic, Switzerland, Sumatra, Westphalia, Servia, Saxony, Mexico, Poland, Ceylon, comprising about 150 or 160 pieces.....	
Ancient Greek and Roman Coins: Ptolemy, 204 yrs. B. C. Didrachm of Corinth 200 yrs. B. C.; Julius Caesar 44 yrs. B. C.; Augustus 44 yrs. B. C. to 14 A. D.; Tiberius 14 A. D. to 37 A. D.; Caligula 41 A. D.; Claudius to 54 A. D.; Nero 54 to 68 A. D.; Vespasian 79 A. D.; Titus 81 A. D.; Domitian 81-96 A. D.; Trajan 98-117 A. D.; Hadrian 138 A. D.; Antonius Plus 161 A. D.; Marcus Aurelius 180 A. D.; Commodus 192; Severus Alexander 235; Philip I 249 1-2 Gallienus 268 A. D.; Tetricus 273 A. D.; Justinian 565 A. D.; Constans 668; Johannes Zimecis 976 A. D.; Constantine XIII 1067; Baldwin II 1261 A. D.....	
1 Roman Consular Coin, Silver 104 B. C.....	
1 Jewish Lepton or "Widows Mite," period of Procurator Rufus 14 A. D.....	
1 Copy, imitation of old style Widows Mite B. C.	
1 Hebrew 1-2 Shekel of Simon Maccabeus 140 B. C.....	
1 Silver Coin, Alexander Great, 326 B. C.,.....	
1 Pallas and Owl Athens, 500 B. C.....	
1 Roman Acs, large fine specimen, 400 B. C.....	
1 Razor style money, Chinese, Wang Dyansty 300 B. C.....	
1 Japanese Razor Coin of 1575 A. D.....	
1 Card 6 old Chinese Coins, from B. C. 910 yrs., 240 yrs., B. C. to A. D. 350 yrs.....	
1 Card 7 Chinese Coins from 900 B. C., Chow Dyanasty down to 850 A. D.....	
1 Card, 8 pcs. assorted Razor Coins, etc.....	
2 Vols. Stamp Albums, U. S. & Foreign postage stamps, containing probably 5000, or perhaps 6000 assorted stamps, many valuable ones and begins 1847 U. S. Collection.....	
A Bronze figure or image, period Osiris Egypt.....	
A Marble bust or head of Trajan Roman Emperor 98 A. D.....	
A Sword or "Yataghan," a Scimitar double curved blade, Mohammedan weapon.....	
1 Chinese "Pagoda" of Chinese Stone.....	
1 Chinese Sword, (or Japanese) made of coins	
1 Japanese Dagger or short sword knife.....	
1 Bronze Idol Budetha.....	
1 Spanish Dagger, year 1492, or Columbian period and image of King Ferdinand on head of the handle.....	
1 Medallion, Bust of Christopher Columbus, on velvet back cushion 1492-1892.....	
1 Napoleon "Decoration" of the Legion of Honor. These were presented by him to his Guards.....	
1 German Battle Axe, 15th Century.....	
1 Pce. Olive wood, inscription.....	
1 Pce. Stone from Quarry under Jerusalem.....	
1 Cedar cone from Cedars of Lebanon.....	
1 Shell from See of Galilee.....	
A Crown of Thorns from Smyrna.....	
Box of Olive wood, Box Olive leaves, Box of Manna (Bread from Heaven,) Box Frankincense, Box of Myrrh, Box Anise, Box Lentils, Box Cummin, Box Rue Tithe, Box Hyssop, Box Boxwood.....	
Bottle Soil from Garden of Gethsemane.....	
Box Camphire, Box Fitches.....	
Box Oriental Nuts, Box Mint.....	
Box Ground Oorn, Box Pulse.....	
Box Saffron, Box Cassia.....	
Box Tares, Box Mustard Seed.....	

Articles

Price

Box Sack Cloth.....	
Box Husks-The Prodigal Son's "Bill of Fare".....	
1 Very old piece of Manuscript and of date 1517, being now 395 years old.....	
1 Card with pressed flowers, attached, marked "from Sir Walter Scott's Grave," and name in corner Halsey C. Ives.....	
1 Old Pewter Medal, Doctor Martin Luther, Germany 1715.....	
1 Old Painting "St. Peter" on Wood Panel, taken from an old Church at San Pedro Old Mexico, and made 1770.....	
1 Very old Bronze Idol, Buddha, found in Siam, and once the property of Thomas Marshall, Missionary.....	
1 Ivory Crocodile Idol-Fetich, from Madagascar.....	

Oriental Department

2 Hand Embroidered Portiers on wall.....	
1 Hand Embroidered Lambrequin on shelf.....	
1 Large Idol in corner, Buddha.....	
1 Smaller one in black case.....	
1 Chinese Fish Lantern.....	
1 Chinese Pipe, brass water bowl.....	
1 Sedan Chair, large figures, in uniform, old and rare.....	
1 Satsuma Vase.....	
Jade Vases.....	
Jade Figures in black case.....	
Miniature furniture, in black case.....	
1 Hand carved Teakwood Chair.....	
2 Very old Chinese Clocks.....	
Jap Lanterns.....	
1 Chinese Pagoda, Stone, cut.....	
1 Elephant, Ebony, large one on case.....	
1 Ivory carved old Ship, Chinese.....	
1 Tortoise Shell, Jinrickasha.....	
1 Chinese Pheasant.....	
1 Old Chinese Bronze Stone and Vessel.....	
1 Old Opium Smoker's Pipe.....	
1 Very Old Beheading Sword.....	
1 Very fine Jap Sword.....	
1 Very fine Tom Thumb.....	
2 Fiddles.....	
1 Jap. String Instrument, Guitar Shape.....	
1 Jap. String Instrument, Banjo shape.....	
1 Chinese Bronze Vase, incense, etc.....	
1 Chinese Medical Prescription.....	
Assortment Chinese and Japanese, etc, Bamboo Table, Curtains, etc. in Balcony.....	
1 Hindoo Table, carved by hand.....	
Taborettes.....	
1 Very fine Ivory carved and inlaid chair.....	
1 Very fine Pearl inlaid folding chair.....	
1 Very old Chinese Pirates belt, jeweled.....	

CASE NO. 30

Assortment Chinese and Japanese Curios.....	
Assortment Shells, Bullets and Belt Buckles, "Pekin 1900".....	

CASE NO. 31

1	Hindoo Image dancing.....	
1	Hindo Sword wavy criss style.....	
2	Dancing Masks.....	
2	Swords.....	
3	Daggers, Malay.....	
1	Bone Dagger, South Sea.....	
2	Wooden Spoons, South Sea.....	
4	Wood War Clubs, South Sea.....	
2	Battle Axes.....	
1	Carved Sacred Ox, horns complete, from East Indian Idol.....	
3	Brass dishes, plates.....	
3	Brass jars, dishes.....	
1	16th Century Battle Ax.....	
3	East India Yellow Pottery Bowls.....	
1	Pr. Turkish Woman Sandals.....	
1	Pr. Dancing Girls wooden sandals.....	
1	Fine silk hand embroidered skirt worn by dancing girls of Arabia.....	
2	Lime spoons, by South Sea Islanders.....	
1	Bottle Gourd with lime which natives use as we do mustard-relish.....	
1	Sea Grass Dress for lady.....	
1	Shell Necklace for lady from Caroline Islands.....	
1	Samoa Island Ladies dresses made of bark beaten to a cloth.....	
1	Very old Turkish lantern.....	
1	Pr. High Sandals, Bedouins.....	
1	Very Old Turkish Pipe.....	
1	New Turkish Pipe.....	
1	Set Tea cups, stand, etc.....	
1	Sword Holy Land inscribed and Crocodile Sheath.....	
2	East Indian War Club Spears.....	
1	Zulu Spear.....	
1	Zulu War Club, stone head.....	
1	New Guinea.....	
1	Fancy Leather Hunting Bag, Turkey.....	
1	Heavy War Club, Salomoan Island.....	
2	Large Floor Rugs.....	
2	Fine Portiers.....	
4	Assorted Turkish Pictures, Frames, etc.....	
	Sundry collection figures, tables, curios in Balcony.....	
	Collection old English lot in St. Louis.....	
1	Trombone Gun, bell muzzle.....	
1	German Flint Lock Pistol.....	
1	Blunderbuss, very old.....	
1	Bow Gun, very old.....	
1	Abysinian Sword.....	
1	Abysinian Sword, Knife.....	
1	African Shield, Hippopotamus Skin.....	
2	Florentine Lamps.....	
1	Pombean Lamp-tea cup.....	
1	Turkish Egyptian Blunderbuss.....	

CASE NO. 31

1	Mahomedan Sword, Yatagan.....	
2	Hanging Lamps, Turkish.....	
1	Hanging Lamp, Jerusalem.....	
2	Fancy Jerusalem Copper hammered dishes.....	
1	Large plate enamel.....	

Articles

Price

2 Large Spears from Cannibal Islands, supposed to be poisoned barbs, keep carefully away from use, may be dangerous	
3 poisoned arrows, point in small bottles, S. Sea	
2 South Sea Island Bead Strings	
1 War Club Fiji Islands	
1 Wooden Pillow South Africa	
1 Bow South Africa	
1 Ostrich Egg	
1 Throw Snare	
1 Ivory Section	
1 Ivory Instrument	
1 Catamaran Boat	
1 Small Elephant	
Beads	
2 Combs	
2 Wood Spoons	
1 Devil Charm	
1 Wood Medicine Cup	

Esquimaux Department

1 Pr. Laplanders Snow Shoes	
2 Small Totems, cut	
1 Small Rock cut stone Totem	
1 Ivory Walrus Tusk	
1 Ivory Pipe, carved from tusk	
1 Very old Ivory Tusk Spear, hand made, interchangeable points	
1 Pr. Sledge Runners, very old	
20 Assorted Ivory carved Images, Boats, Dogs, etc.	
1 Seal Gut Shopping Bag	
1 Seal Work Case	
1 Seal Skin Lariat Noose	
1 Long three barb spear with Ivory tusk point	
1 Throwing Spear	
3 Barb spears for fish	
2 Large Fish Hooks	
Snarers	
Sinew fish lines	
1 Set LaCrosse Game and Ball	
1 Whale Tooth	
1 Carved Dice Box, Bird	
Assorted Baskets	
1 Large Bow, very fine	
1 Large Wood Blubber Fork	
1 Ivory box and lid	
1 Ivory Box Money Purse	
1 Show Case No. 33 and table	
1 Show Case No. 32	
1 Show Case No. 31	
1 Show Case No. No. 30	
1 Very old Totem Pole standing outside office, from Alaska and is over 100 years	
Sundries, books, old paintings, etc., Balcony	

Phillipino Relics.

Bolos, Knives, Guns, Spears, Bows and Arrows, Swords Wavy Criss
or Kris, Daggers and various weapons used in the different
tribes, many were in actual use in Spanish Wars, and captur-
ed and brought to United States and were on exhibit at Pan
American and St. Louis Worlds Fair

Many old Spanish Guns and Machettes and old Mauser Rifles, etc.
 Iggorote, Head Hunters spear and shield, etc.
 African Beheading Axes, Philliipino Beheading Axes.....

ARCHAEOLOGICAL COLLECTION.

Mound Builders Relics and Stone Age Implements.

CASE NO. 34

Mound Builders pottery etc. and Mexican Indians' Ware, Idols,
 etc, including circular case.....

CASE NO. 35

Mound Builders, Tennessee, Kentucky, Missouri and Arkansas,
 from Mounds. Several very rare forms, vessels and rare old
 painted ware.....

CASE NO. 36

Many rare vessels and pottery from Mississippi County, Missouri.
 Many Effigy Bowls and vessels from Kentucky, Tennessee,
 Missouri, Ohio, Arkansas also fine selection of Hamalite
 Axes, Celts, Plummets, Cones, etc.

CASE NO. 37

Large bowls, jugs and vessels from Mounds in New Mexico, Arizona
 Pueblo, Moki and Zuni Indians, also beads, skulls, jaw bones
 and remains, etc, from graves of Indians, Arkansas and
 Illinois.....

CASE NO. 38

Pottery and vessels taken from mounds in Arkansas, Missouri,
 Tennessee, Ohio, Illinois, etc.....

CASE NO. 39

Pottery and vessels taken from mounds in Arkansas, Missouri,
 Tennessee, Ohio, Illinois, etc.....

These finds are becoming quite rare and mounds of Arkansas and
 Missouri, Illinois, Tennessee and Ohio, have been mostly
 taken by dealers for Museums and College collections.

5 Cases.....

CASE NO. 40. Top Shelf

1 Very fine Frog Pipe, Ohio or Kentucky.....
 1 Very fine pipe, square bowl, Ga.
 1 Very rare Totem pipe, Alaska.....
 1 Very rare 4 heads in one pipe, Mich.....
 1 Very rare 2 heads in one pipe, Mich.....

Articles**Price**

1 Very rare Effigy pipe, S. C.	
3 Very rare pipes	
1 Very rare Stone pipe	
1 Very rare pipe	
1 Old pipe	
1 Old pipe	
1 Large Arkansas broken from a Mound	
2 Pipes	
1 Pipe, large stone, Ohio	
1 Pipe, large stone, Ohio	
1 Pipe, large stone, Indiana	
1 Pipe, large stone, Indiana	
1 Pipe, large stone, Indiana	
1 Pipe, Michigan	
1 Pipe, Michigan	
1 Pipe, Tenn.	
1 Pipe, Tenn.	
1 Pipe triple bowl, N. C.	
1 Pipe, Ohio	
3 Pipes, Mo. and Ark.	
1 Pipe, broken, Black Porphyry, Ky.	
1 Large Tube Pipe, Tenn.	
1 Large Tube Pipe, Tenn.	
1 Large Tube Pipe, Ark.	
1 Large Tube Pipe, unfinished, Tenn.	
2nd Shelf	
Ceremonial Axes, Shaper for making pottery, Illinois	
Tube Implements, etc	
3rd Shelf	
Assorted Gorgets, etc	
4th Shelf	
Discoidals, assorted sizes, about 30	

CASE NO. 41

Very fine collection of large Celts and Stone Implements from Foreign lands, Denmark, Panama and United States	
Copper Implements from United States and Mexico, Bowls, Axes, Knives, etc.	
Bone Implements, etc., Large Spades, Hoes and Discoidal Stones. Assortment Ceremonial Implements, etc.	
Tray unfinished Flint Arrows, etc., showing the different stages of chipping, including case	

CASE NO. 42

Very choice collection of high grade Arrows, Spears, etc., from Washington, Oregon, California, New Mexico, Arizona, Ohio, Missouri, Arkansas, Illinois, Georgia, Kentucky and Tenn.	
2 Trays fine selection Gorgets and Discoidals. 11 Trays fine Arrows, some of Onyx and Chalcedony. Case	

CASE NO. 43

Large collection fine Spades, Hoes and Stone Implements, large Pestals and Mortars, "Corn Grinder's" Rock worn, about 100 pieces, case included	
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CASE NO. 44

Large assortment of very fine Stone Axes, and many of a very large size and unusual styles, and very many fine Celts, Hammers, Pestels, Balls, etc., including case.....

CASE NO. 45

Large selection of very fine Arrows, Spears, etc. Large Axes of rare form, case included.....

CASE NO. 46 on Floor under Case No. 41

Beadwork, Necklaces, Teeth Necklaces, Arrows, etc., duplicates and extra supply

CASE NO. 47

Sundry duplicate Arrows, Spears, Axes, Curios, etc.....

CASE NO. 48

Both these cases on floor and under No. 49.....

CASE NO. 49

Contains large assortment of Curios, Obsidian Arrows, Spears, etc.....

CASE NO. 50 Sidewall Case.

Very fine lot Indian Axes, Celts and fine Arrows, including case.....

CASE NO. 51 Side Wall.

Indian Axes, Spears, Arrows, Celts, etc.....

CASE NO. 52 Out in the Hall by Stairway.

Contains duplicates. Over 6,000 Arrows and a lot of Stone Axes, Celts, etc

General assortment of Indian Curios, Rugs, Blankets, Bridles, Saddle, Buckskin Skirt, Leggings, and Arrow display on Balcony



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